

Installation Guide

iPlanet Market Maker

Version 4.5

March 2002

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Contents

List of Tables	7
About This Document	9
Audience	9
What's in This Document	10
Documentation Conventions	11
The Document Online	11
How to Use the Online Help	11
Related Documentation	12
Other Useful Documentation	12
Product Support	13
Third Party Acknowledgement	14
Chapter 1 Planning to Install iPlanet	
Market Maker	15
Assumptions About the Site Installer	15
Installation Checklist	16
Software Installation Flowchart	18
Software Requirements	19
Patches	20
iPlanet Patch Information	20
Solaris Patch Information	20
Chapter 2 Database and Additional Software	23
iPlanet Market Maker Database Setup	23
JDK	25
How to Identify the JDK Version	25

Installing the JDK Patches	25
Installing JDK	26
iPlanet Directory Server (iDS)	26
How to Identify the iPlanet Directory Server Version	26
Installing the iPlanet Directory Server	27
iPlanet Web Server (iWS)	27
Installing iPlanet Web Server	27
Web Server Component Issue	27
iPlanet Application Server (iAS)	28
Installing the iPlanet Application Server	28
iPlanet Messaging Queue (iMQ)	28
Installing iPlanet Messaging Queue	28
Troubleshooting the iMQ Installation	28
Actuate	29
Actuate Report Writer Deployment	29
Report Deployment Instructions	30
Run the Report on the Report Server	30
View and Run the Report Through a Web Browser (Netscape Navigator or Microsoft IE) ...	32
View and Run the Report Using Actuate End User Desk Top (EUDT)	33
Setup and Run Reports (MappingMain Program)	33
Chapter 3 Installing iPlanet Market Maker	35
Uninstall Previous iPlanet Market Maker Installation	35
Steps to Follow Before Installing the iPlanet Market Maker Software	35
Installing the iPlanet Market Maker Software	37
iPlanet Market Maker Software Page Progression	37
Using Separate Servers for iPlanet Web Server and iPlanet Application Server	38
Pre-requisites	38
Steps	38
Installing the Web Connector Plug-in	38
File Attachments / File Uploads	39
Order for Installing iPlanet Market Maker Functional Components	41
Functional Component Installation Sequence	41
Extracting Installation Files	43
Multi-Domain Installer	44
Starting the Installation Process	45
Chapter 4 Post-Installation	105
Enabling RFX and Auctions	105
Database Issues	106
Managing interMedia Indexes	106
Updating Text Indexes in the iPlanet Market Maker Software	106

Oracle Known Bug on interMedia	109
Running Installer Using Microsoft Windows X-server Utilities	109
Chapter 5 Shutting Down, Starting, and Uninstalling	111
Shutdown	111
Shutting Down the iPlanet Market Maker Software	111
Shutting Down the Directory Server	111
Shutting Down the iPlanet Application Server	112
Shutting Down the iPlanet Web Server	112
Startup	112
Starting the iPlanet Web Server	112
Starting the iPlanet Application Server	112
Starting the Directory Server	112
Starting the iPlanet Market Maker Software	112
Uninstallation	113
Versions 1.0 and 1.0 SP1	113
Versions 4.0, 4.0 SP1, and 4.5	114
Appendix A Troubleshooting	117
Installation Error	117
UNIX Error	119
Oracle Errors	120
Sizing iMQBroker	123
Appendix B Tips for Installing Oracle Software on Solaris	125
Oracle Pre-Installation Instructions	125
Configuring the UNIX Kernel for Oracle 8i/9i	126
Creating UNIX Groups for the Oracle Universal Installer	127
Creating a UNIX Account to Own the Oracle Software	127
Setup Tasks for the Oracle Universal Installer	128
Using the Oracle Universal Installer	129
Root User Setup	131
Oracle User Setup	132
Index	133

List of Tables

Table 1	Chapter Summary	10
Table 1-1	Installation Checklist	16
Table 1-2	Software Requirements for iPlanet Market Maker 4.5	19
Table 1-3	Solaris 2.6 Patches	21
Table 2-1	Default Schema	24
Table 3-1	Server Architecture on Machine A; Oracle Database Server on Machine B	42
Table 3-2	Server Architecture on Multiple Machines; Oracle Database Server on Machine A ..	43
Table 3-3	Multi-Domain Installer Specifics	44

About This Document

The iPlanet Market Maker Installation Guide provides information on how to install the iPlanet Market Maker software and all of the enabling software on your Solaris system.

This preface contains the following sections:

- Audience
- What's in This Document
- Documentation Conventions
- The Document Online
- How to Use the Online Help
- Related Documentation
- Other Useful Documentation
- Product Support
- Third Party Acknowledgement

Audience

The audience for this document is the iPlanet Market Maker installer including:

- Developers and installers at a user's site.
- Developers and installers within iPlanet's Professional Services Group.

An iPlanet Market Maker installer should have experience working with and installing the following:

- Web servers, directory servers, and application servers
- UNIX operating system
- Oracle and LDAP databases
- TCP/IP communications
- Open Buying on the Internet (OBI)
- Internet browsers

What's in This Document

The following table summarizes what each chapter covers.

Table 1 Chapter Summary

If you want to know about this	See this chapter
Description of contents of this guide; listing of documentation set; information on product support	About This Document
Requirements to prepare for the installation of the iPlanet Market Maker software	Chapter 1, "Planning to Install iPlanet Market Maker"
Instructions for iPlanet Market Maker Database setup; identifying the JDK version; installing JDK Patches and JDK; identifying and installing the iPlanet Directory Server (LDAP); installing the iPlanet Web Server (iWS); installing the iPlanet Application Server (iAS); installing the iPlanet Messaging Queue (iMQ); Actuate Report Writer Deployment	Chapter 2, "Database and Additional Software"
Instructions for installing the iPlanet Market Maker software	Chapter 3, "Installing iPlanet Market Maker"
Database issues addressed by the Oracle administrator	Chapter 4, "Post-Installation"
Starting up, shutting down, and uninstalling the iPlanet Market Maker software	Chapter 5, "Shutting Down, Starting, and Uninstalling"
Installation errors; UNIX errors; Oracle errors; Sizing iMQBroker	Appendix A, "Troubleshooting"
Configuring the UNIX kernel; creating UNIX Groups; creating a UNIX account; setup tasks; using the Oracle Universal Installer; root user setup; Oracle user setup	Appendix B, "Tips for Installing Oracle Software on Solaris"

Documentation Conventions

This document uses the following conventions:

- The `monospace` font is used for sample code and code listings, Application Program Interface (API) and language elements (such as method names and property names), file names, path names, directory names, Hypertext Markup Language (HTML) tags, and any text that must be typed on the page.
- The italic font is used in code to represent placeholder parameters (variables) that should be replaced with an actual value.
- Brackets ([]) are used to enclose optional parameters.
- A slash (/) is used to separate directories in a path. (Windows NT supports both the slash and the backslash.)

The Document Online

You can find this document online in Portable Document Format (PDF) and HTML format at the following web site:

<http://docs.iplanet.com/docs/manuals>

How to Use the Online Help

When using the iPlanet Market Maker software, you can click Help in any window to open a page that explains the fields and components of that window. You can then navigate to other parts of Help using the Help table of contents and index.

NOTE To view the full Help table of contents listing, you may need to make your browser window larger.

Because Help is viewed in a browser window, you can use the navigational tools of the browser as well as the navigational tools within Help. For example, you can use browser commands to print, find information, and copy and paste.

Related Documentation

NOTE Documentation for all iPlanet products can be found at the following web site:

<http://docs.iplanet.com/docs/manuals/>

The iPlanet Market Maker documentation set includes:

- *Release Notes*—Contains important information on the current release of iPlanet Market Maker. Read this document before working with the new iPlanet Market Maker release.
- *Installation Guide*—Provides instructions for installing the iPlanet Market Maker product and its enabling software.
- User interface Help (*Online Help*)—Provides guidelines and instructions for performing the iPlanet Market Maker tasks.
- *Catalog Import Guide*—Provides guidelines and instructions for setting up and running the Import utility.
- *Customization Guide*—Provides guidelines for customizing the existing iPlanet Market Maker user interface and module functionality.
- *Exchange Module Customization Guide*—Provides guidelines for customizing services to create exchanges.
- *Deployment Guide*—Provides guidelines for planning the deployment, installing and configuring the software, importing and configuring data, and tuning and monitoring performance.
- *Upgrade Guide*—Provides guidelines for planning, preparing and performing upgrades to the iPlanet Market Maker software.

Other Useful Documentation

- *iPlanet Application Server Installation Guide*—Provides guidelines for installing the iPlanet Application Server.
- *iPlanet Application Server Administrator's Guide*—Provides guidelines for tasks carried out by the administrator of one or more iPlanet Application Server machines.

- *iPlanet Web Server Administrator's Guide*—Provides guidelines for configuring, administering, and maintaining the iPlanet Web Server.
- *iPlanet Directory Server Documentation*—Provides guidelines for platform requirements and the iPlanet Directory Server installation.
- *ECXpert Administrator's Guide*—Explains concepts, structure, functions, and operation of iPlanet ECXpert, and provides guidelines for administering the system.
- *ECXpert Operations Reference Guide*—Explains ECXpert operational issues, and provides a reference on error messages that can be generated by ECXpert or passed through from third-party software components that ECXpert uses.
- *Oracle 8i and 9i Installation Guide for Sun SPARC Solaris*—Provides guidelines for installing Oracle.
- *Oracle 8i and 9i Designing and Tuning for Performance*—Provides guidelines for Oracle database design, and for tuning and monitoring performance.
- *Oracle 8i interMedia Text Reference*—Provides guidelines for text searching, retrieval, and viewing capabilities.
- *Actuate* documentation.

Product Support

If you have problems with your iPlanet Market Maker system, contact iPlanet customer support using one of the following mechanisms:

- Visit the iPlanet online support web site at:

<http://www.iplanet.com/support/online/>

From this location, the CaseTracker and CaseView tools are available for logging problems.

- Use the telephone dispatch number associated with your maintenance contract.

So that the technical support staff can best assist you in resolving problems, have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation.

- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem.
- Detailed steps on the methods you have used to reproduce the problem.
- Any error logs or core dumps.

Third Party Acknowledgement

This product includes software developed by the Apache Software Foundation:

<http://www.apache.org>.

Planning to Install iPlanet Market Maker

This chapter describes planning and tasks you must perform before you can install the iPlanet Market Maker Version 4.5 software.

The following sections are contained in this chapter:

- Assumptions About the Site Installer
- Installation Checklist
- Software Installation Flowchart
- Software Requirements
- Patches

Assumptions About the Site Installer

This guide is written with the following assumptions:

- You, as the installer, are familiar with the Solaris operating system and the applications and web server applications being installed.
- You are aware that iPlanet Market Maker Version 4.5 Release only runs on versions 2.6 and 8 of the Solaris operating system.
- You have a working knowledge of the Oracle database being used with the iPlanet Market Maker software.
- You will read Release Notes prior to starting your installation. The Release Notes file, contained within the delivered product, provides the very latest updates and information that are vital to your installation effort.

- You have obtained access to all required application and server software, either through the network or from CD-ROMs.
- Oracle 8i, Version 8.1.7 or Oracle 9i has already been installed on your database server.
- All patches for the Solaris operating system will be installed prior to installing JDK 1.2.2_07.
- iPlanet Messaging Queue 2.0 (on the CD, bundled with iPlanet Market Maker) will be installed prior to installing the iPlanet Market Maker software.
- iPlanet Application Server 6.5 will be installed prior to installing the iPlanet Market Maker software.
- iPlanet Directory Server 4.13 or 5.0 SP1 will be installed prior to installing the iPlanet Market Maker software.
- iPlanet Web Server 4.1 SP or 6.0.1 will be installed prior to installing the iPlanet Market Maker software.

This installation guide does not include any description of hardware, nor does it provide hardware requirements.

Installation Checklist

The following checklist displays the tasks you should plan in advance to ensure a successful installation. You can refer back to this checklist as you complete each stage of the installation.

Be sure to perform each task in the order presented on the checklist in Table 1-1.

Table 1-1 Installation Checklist

Make sure your system meets the following requirements:

See the section Required Applications

See the section System Requirements

See the section Software Requirements

Verify the following:

Have root access

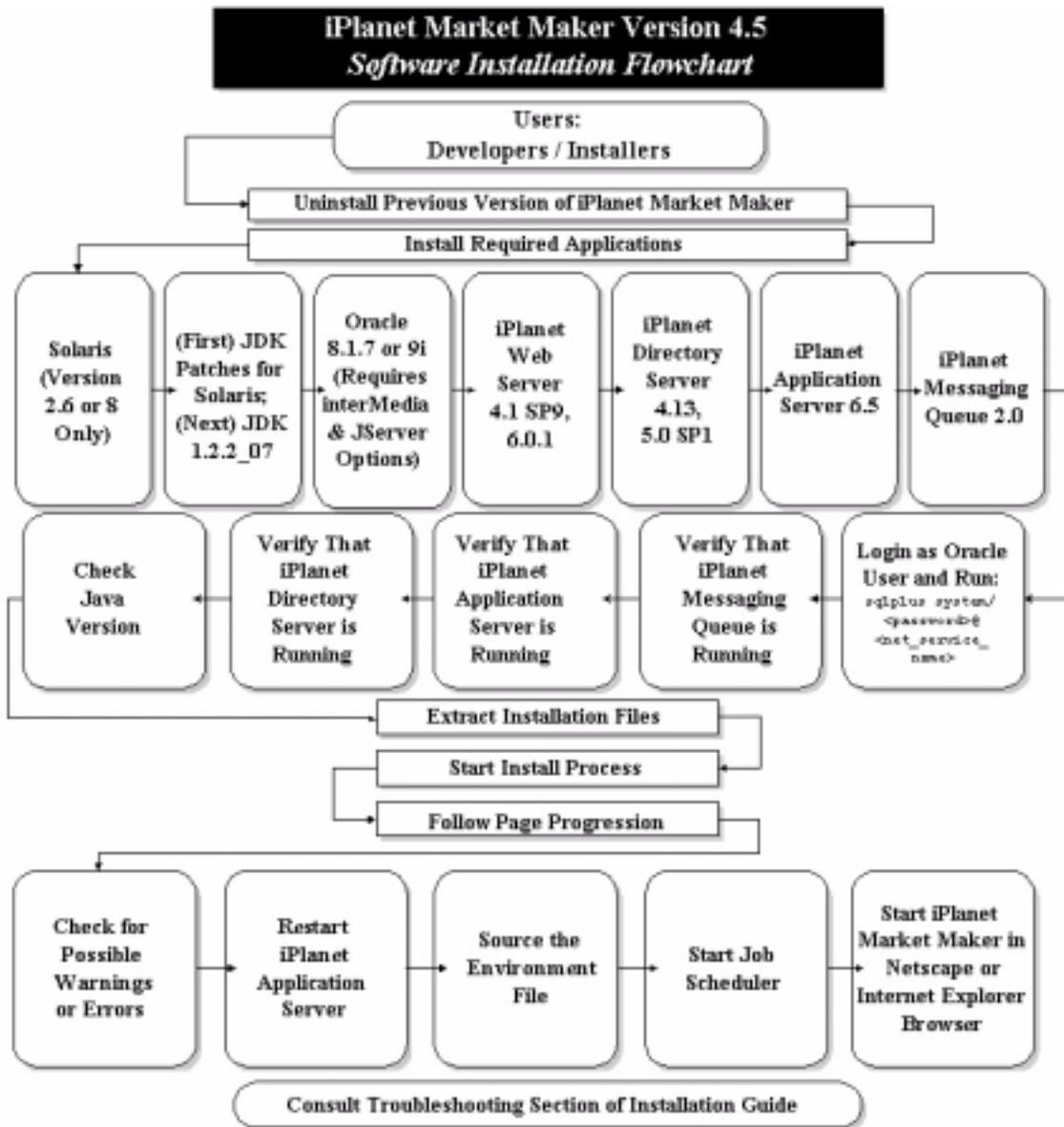
Have distribution media

Install the software in the following sequence:

Table 1-1 Installation Checklist

Oracle Database Server Enterprise Edition
iPlanet Web Server (iWS)
iPlanet Application Server (iAS)
iPlanet Directory Server (iDS)
iPlanet Messaging Queue software
Install the additional software:
iPlanet Integration Server B2B software
iPlanet Portal
Reuters™ Multi-Currency Live Feed
Install the optional software:
iPlanet BuyerXpert Software (if the Cohabitation option is selected)
Actuate Software

Software Installation Flowchart



Software Requirements

The following software supports the iPlanet Market Maker 4.5 product:

Table 1-2 Software Requirements for iPlanet Market Maker 4.5

Component	Supporting Software	Comments
Platforms	Sun Solaris (SPARC) 2.6	Kernel patch 29 or higher, plus required iAS 6.5 patches
	Sun Solaris (SPARC) 8	Kernel patch 5 or higher, plus required iAS 6.5 patches
Browsers	Netscape Communicator, Version 4.7x, 6.2	Platforms: Solaris 2.6, 8, Windows 98, 2000, NT
	Microsoft Internet Explorer, Version 5.0, 6.0	Platforms: Windows 98, 2000, NT
iPlanet Infrastructure Products	iPlanet WebServer (iWS), Version 4.1 SP9, 6.0.1	See the iPlanet Web Server (iWS) section in the Installation Guide.
	iPlanet Application Server (iAS), Version 6.5	See the Installing the iPlanet Application Server in the Installation Guide.
	iPlanet Directory Server, Version 4.13, 5.0 SP1	See the Installing the iPlanet Directory Server in the Installation Guide.
	iPlanet Messaging Queue, Version 2.0	See the Installing iPlanet Messaging Queue in the Installation guide.
Third Party Products	Oracle Server Database 8.1.7 / 9i Standard or Enterprise Edition, with InterMedia search engine	Customer must get Oracle license.
	Oracle Client 8.1.7 / 9i (if Market Maker is not installed on the same machine)	Customer must get Oracle license.
	*Actuate Report Server, Version 5.0	Bundled. NT workbench for customizing reports
Other	Java Developer's Kit (JDK), Production 1.2.2_07	Sun product
*Instructions for deploying reports are contained in Chapter 2 of this iPlanet Market Maker <i>Installation Guide</i> under "Actuate Report Writer Deployment".		

- To ensure that the iPlanet Market Maker software works properly, make certain that your Solaris Versions 2.6 and 8 have the latest patches.

For Solaris 2.6, type `uname -a` on the command line.

Make certain that the line returned contains the text `Generic_105181-23`.

For Solaris 8, type `uname -a` on the command line.

Make certain that the line returned contains the text `Generic_108528-03` or higher.

For more information about patches, go to:

<http://sunsolve.Sun.COM/pub-cgi/show.pl?target=patches/patch-access>

- Install JDK patches for Solaris before installing JDK 1.2.2_07.
See “Installing the JDK Patches” in this Installation Guide.
- Oracle 8.1.7 or 9i Edition (requires installation of interMedia and JServer options).

Patches

Patches may be required for some of the supporting software products. Before installation, it is important to check the release notes for the supporting software to see if patches are required and how to get them.

iPlanet Patch Information

- iPlanet patches can be downloaded from the following web site:

<http://www.iplanet.com/downloads/patches/>

- Release notes for iPlanet products can be found at the following web site:

<http://docs.iplanet.com/docs/manuals/>

Solaris Patch Information

For iPlanet Market Maker 4.5, see the iPlanet Application Server (iAS) Installation Guide for Solaris 2.6 and Solaris 8 recommended patches.

The Solaris 2.6 patches listed in Table 1-3 are required or recommended for iPlanet Market Maker 4.5.

The number in the Version column is the output from running the `uname -r` command on that version of Solaris. The number following the dash in each Patch ID is the revision of that patch. The table lists the minimum patch revisions required by this release of the JDK and JRE; later revisions are acceptable.

Table 1-3 Solaris 2.6 Patches

Patch ID and level		Patch ID and level		Patch ID and level		Patch ID and level		Patch ID and level	
105181	23	105580	15	105837	3	106448	1	107766	1
105210	32	105591	9	105924	3	106468	2	107774	1
105216	4	105600	19	106027	8	106495	1	107991	1
105284	36	105615	8	106040	13	106522	4	108091	3
105338	25	105621	23	106112	5	106569	1	108199	1
105356	15	105633	41	106123	4	106592	3	108201	1
105357	4	105642	8	106125	10	106625	5	108307	2
105375	22	105654	3	106172	4	106639	4	108346	3
105379	5	105665	3	106193	5	106648	1	108468	2
105401	28	105667	2	106222	1	106649	1	108492	1
105403	3	105669	10	106226	1	106650	4	108499	1
105464	2	105703	22	106235	5	106828	1	108660	1
105472	7	105720	12	106242	2	106834	1	108804	1
105529	9	105722	5	106257	5	106894	1	108890	1
105552	3	105741	7	106271	6	107336	1	108893	1
105558	4	105755	8	106301	1	107434	1	108895	1
105562	3	105780	5	106409	1	107565	2	109266	1
105566	8	105786	12	106415	3	107618	1	109339	1
105568	18	105800	6	106437	3	107733	8	109388	1
105570	1	105802	12	106439	6	107758	1		

JDK Patch Information

JDK 1.2.2_07 + JDK patches for Solaris are available at:

<http://java.sun.com/products/jdk/1.2>

In addition to the patches listed in the table, you may also want to install the latest patch cluster for your version of Solaris that includes additional recommended appropriate links starting at:

<http://sunsolve.sun.com>

Patches can be obtained from your service provider or can be downloaded from the web. To download the patches, start at the following location and follow the links to download the JDK (the patches are available on the same page as the JDK):

<http://www.sun.com/solaris/java>

For more information, refer to:

<http://www.sun.com/software/solaris/jre/download.html>

NOTE For more information, see the section “JDK” contained in Chapter 2 of this Installation Guide, that includes section son “How to Identify the JDK Version”, “Installing the JDK Patches”, and “Installing JDK”.

Database and Additional Software

Additional software must be installed to operate the iPlanet Market Maker software correctly. See the section “Software Requirements” contained in Chapter 1 of this Installation Guide.

The following sections are contained in this chapter:

- iPlanet Market Maker Database Setup
- JDK
- iPlanet Directory Server (iDS)
- iPlanet Web Server (iWS)
- iPlanet Application Server (iAS)
- iPlanet Messaging Queue (iMQ)
- Actuate

iPlanet Market Maker Database Setup

-
- NOTE**
- This section is informational only. No user installation steps are performed in this section.
 - The directory structures changed from Version 1.0 SP1 to Version 4.0.
-

Each of the modules (Catalog, Pricing, Community, Architecture, Auction, Negotiations, Exchange, and Order Management System) has its own module owned by separate database schema owners. The schema owners are CAT, COM, CMN, PRI, OMS, ESV, AUC, EXC, and RFX. All of the objects (for example, table, sequences, and so forth) owned by these schema owners are granted to the application user (for example, VORTEX). The iPlanet Market Maker User Interface connects to the database using the application user.

The installation of each module is performed by using `<install_directory>/setup/bin/installsql.sh`, which in turn calls the `install.sh` file from the `<install_directory>/<modulename>B/sql` directory (for example, `imm/auctionB/sql`). The create table scripts of respective modules (for example, `<install_directory>/imm/<modulename>B/sql/schema`) should be examined, and modified depending on the expected size of the iPlanet Market Maker database, especially for table and index storage. The following table shows the default schema setup for the iPlanet Market Maker database

Table 2-1 Default Schema

MODULE NAME	DEFAULT SCHEMA NAME	DEFAULT DATA TABLESPACE	DEFAULT INDEX TABLESPACE	DEFAULT TEMPORARY TABLESPACE
Architecture (common)	CMN	CMN_TS	CMN_XTS	TEMP
Catalog	CAT	CAT_TS	CAT_XTS	TEMP
Pricing	PRI	PRI_TS	PRI_XTS	TEMP
Auction	AUC	AUC_TS	AUC_XTS	TEMP
Negotiations	RFX	RFX_TS	OMS_XTS	TEMP
Order Management System	OMS	OMS_TS	OMS_XTS	TEMP
ESV	ESV	ESV_TS	ESV_XTS	TEMP
Exchange	EXC	EXC_TS	EXC_XTS	TEMP
Community	COM	COM_TS	COM_XTS	TEMP
iPlanet Market Maker Application User	VORTEX	CMN_TS	CMN_XTS	TEMP

JDK

How to Identify the JDK Version

After installing JDK 1.2.2_07, confirm that the right JDK is being used: `java -version`

If the wrong version of JDK is reported, try which java and change your PATH accordingly (the default location for JDK 1.2.2_07 is `/usr/java1.2`)

Installing the JDK Patches

You must install any patches to the Java Development Kit (JDK) before installing the JDK 1.2.2 Standard Edition. Download these patches from the web site:

<http://java.sun.com/products/jdk/1.2/>.

Download the 1.2.2_07_

_ `sparc_5.6` or `5.8` patch. Confirm the Solaris version number (must be 2.6 or 8).

For additional JDK Patch Information, see the section, JDK Patch Information, contained in Chapter 1 of this Installation Guide.

To install the JDK patches:

1. Expand and decompress this patch, which can be identified by its `gz` extension, by entering:

```
% tar xvf <filename>
```

This should create a directory which contains four `.tar.z` files.

2. Change your directory to this newly created one and decompress these files in that directory by entering:

```
% compress -d *.Z
```

3. Expand these files by entering:

```
%find . name "*.tar" exec tar xvf {} \ ;
```

Each of these files, in turn, creates a directory with a `readme.txt` file and the actual patch. You may want to copy these patch files to your `var/spool/patch` directory for future reference. If you do this, remember to do a `cp -r` because it is a directory.

4. Install these patches by entering:

```
% patchadd <filename> with path (for each patch)
```

Installing JDK

Download the J2SE: Java 2 Standard Edition (1.2.2_07) Production Release for Solaris (English) from the web site:

```
http://www.sun.com/software/solaris/java/download.html
```

1. Follow Steps 1-3 in the previous section to expand and decompress these files. The 1.2.2_07_jdk_sparc.tar file that you just downloaded from the Java web site gives you six sets of files and four packages after extraction.
2. Delete the tar files and extracted directories because they are not needed.
3. To install the JDK, run the following command:

```
pkgadd -d . SUNWj2rt SUNWj2dev SUNWj2man SUNWj2dem
```

iPlanet Directory Server (iDS)

How to Identify the iPlanet Directory Server Version

The command to find out the version of iPlanet Directory Server that is running on NT/Solaris:

Go to `/export/home/ids/shared/bin` and execute this line:

```
ldapsearch -b "cn=monitor" -s base -h <ldap_host> -p  
<ldap_portnumber> "objectclass=*" | grep version
```

It prints something like this:

```
version=Netscape-Directory/4.13 B00.139.0843  
dataversion=us77273.red.iplanet.com:389 020000927002141 0
```

Installing the iPlanet Directory Server

1. Run setup.
2. Choose all defaults during installation.

NOTE For more information, go to:
<http://docs.iplanet.com/docs/manuals/directory.html>
or consult your iPlanet Directory Server Installation Manual.

iPlanet Web Server (iWS)

Installing iPlanet Web Server

1. Run setup.
2. Choose all defaults during installation.

NOTE For more information, go to:
<http://docs.iplanet.com/docs/manuals/enterprise.html>
or consult your iPlanet Web Server Installation Manual.

Web Server Component Issue

When installing the web server component alone, the following error is displayed in the `iPlanet_MarketMaker_postinstall.log` file:

```
IAS_SERVER_ROOT=null
instsupp/bin/postinstall: /export/home/imm/imm/mm.cshrc: cannot
create
```

The user can ignore this error message.

iPlanet Application Server (iAS)

Installing the iPlanet Application Server

1. Run setup.
2. Choose all defaults during installation.

iPlanet Messaging Queue (iMQ)

Installing iPlanet Messaging Queue

See: <http://docs.iplanet.com/docs/manuals/javamq.html>

Troubleshooting the iMQ Installation

iMQ Memory Error

iMQ should be started with at least 128Mb. If not, it will use the default of 16Mb which is too low.

If there is not enough memory for imqbroker, you might see the following error in the `imm.log` file:

```
java.lang.OutOfMemoryError
```

This error can come either from imqbroker or from iMM router (used in the Exchange module). An out of memory error in the `imm.log` file comes from iPlanet Market Maker (router) and not from the iMQ server (imqbroker). To fix this you should increase the maximum memory used by imqbroker. Following is an example of how to do this:

```
jmqbroker -vmargs -Xmx128Mb
```

or, for setting minimum and maximum:

```
jmqbroker -vmargs -Xmx128Mb - Xms64Mb
```

The administrator should refer to the iMQ log for errors in the iMQ.

If an out of memory error results from the router process, the `imm/bin/ExchangeRouter.bash` should be modified to increase the amount of maximum memory (the default value is 128MB).

The router should then be stopped and restarted.

On Solaris 2.6 - When Patch is Not Installed

When starting imqbroker, an error message might appear:

```
/bin/sparc/native_threads/java:
fatal: libCrun.so.1: open failed: No such file or directory
```

This is not an iPlanet Market Maker problem, however. It happens specifically on Solaris 2.6 when patch 105591-08 is not installed.

You can obtain the required path from:

<http://sunsolve.Sun.COM/pub-cgi/show.pl?target=patches/patch-access>

Actuate

Actuate Report Writer Deployment

The Actuate reporting system allows you to create reports for the iPlanet Market Maker software. Actuate reports support graphical representations of the data, and data can also be displayed in spreadsheets.

The Actuate software is included (along with documentation) on a separate CD (3RD PARTY PRODUCTS) in your iPlanet Market Maker system package.

There are two versions of the developer workbench in Desktop Products:

- e.Reporting Designer
- e.Reporting Designer Professional

The e.Reporting Designer Professional software has Java support through JNI. The Actuate server components are ReportCast and e.Reporting Server. The iPlanet Market Maker software supports Actuate e.Reporting Suite 5, Release 5.

Contact Actuate (<http://www.actuate.com>) Professional Services for help on developing additional reports.

NOTE iPlanet Market Maker ships with seven sample Actuate reports. Those reports are installed in the reports directory within the iPlanet Market Maker software.

Report Deployment Instructions

The iPlanet Market Maker 4.5 reports are certified with Actuate 5.0.

To run the reports, install Actuate 5.0 according to the instructions below. After installing and configuring all of the Actuate components, run the LDAP 2 Database sync utility that comes with the iPlanet Market Maker product to sync up the LDAP data with the Oracle database. This utility needs to be run before executing the Actuate reports. The instructions for this utility appear at the end of this document.

Run the Report on the Report Server

1. Insert the CD labeled eReporting Server Release5 into the CDROM drive. You can run the report server either on SunOS or Windows NT. To install on Solaris, you need to insert the CD into a Solaris box with a CDROM and mount it.
2. Find the directory Manual and SunOS (for the Windows version, open the directory NTServer).
3. Follow the instructions included in the file `SERVER-UNIX-INSTALL.PDF` in this directory. For installation on Windows NT, follow the instructions in the file `SERVER-NT-INSTALL.PDF`.

4. To install report server, open the SunOS (for the Windows version, open the directory NTServer) to find the installation executable file.
5. Install the report server following the instructions in the files described in step # 3 above.
6. Once the report server is installed, Actuate Administrator Desk Top (ADT) needs to be installed to administer the report server. The report server itself does not have a UI. ADT is the UI for the report server. This is available only on Windows.
7. In the same CD, open the folder ADT and run `Setup.exe` to install ADT on a Windows OS machine. Again, ADT does not need to be installed on the same machine as the report server.
8. Once installation is complete, launch the ADT and click on the menu File/Administrator.

In the Encyclopedia login window, type in the user name as Administrator, the password that was created when installing report server (default is blank), and *volume* as the name of the report server. For example Administrator, no password (just empty), and *volume* as `myreportservermachinename.mydomain.com`

9. In the IMM CD, find `\imm_home\Reports\` directory.

The reports are saved under five directories:

- o Auction
- o Catalog
- o Pricing
- o RFX
- o OMS

There are, in total, seven sample reports included with the iPlanet Market Maker software.

10. In ADT, at the left palette, click on the report server name slot, (right under main slot labeled Encyclopedia) to select it (for example, `yourmachine.yourdomain.com`).
11. Click the menu File/New Folder to create a folder for iPlanet Market Maker reports. You can name this folder whatever you would like (for example, IMM).

12. Select the new (iMM) folder, right click on it, and create five new folders. For these five new folders that you created under the root folder iMM, you may name them the same as the ones in your IMM CD (for example, Auction, Catalog), or any names you prefer.
13. Select the first folder, Auction, under iMM, and right click.
 - a. Select Add to open the browser.
 - b. Select the .rox file (which is the executable file) from the Auction directory (`Auction Summary.rox`) from your iPlanet Market Maker installation.
 - c. Follow the same procedure to add the remaining report executables for each of the modules. Auction, Catalog and Pricing will have one executable, while OMS and RFX will have two executables.
14. Click Save to upload the file into your report server.

The reports are ready to execute on your report server.
15. Execute your reports by double clicking each of the seven reports, one by one. After you double click a report, a window opens allowing you to enter the Database connection details. Click Database on the second row and enter values for `user/passwd/Hoststring` (for example, `vortex/vortex/vortex`).
16. Enter OK to execute your entries.

View and Run the Report Through a Web Browser (Netscape Navigator or Microsoft IE)

1. The Reportcast Server component needs to be installed to view the reports on your report server web. Make sure that Reportcast is installed in the same machine as your web server. Actuate has certified Reportcast Server with iPlanet Web Server.
2. Insert the CD labeled Desktop Products Reportcast Release 5 into the CD ROM. Find the installation information in the folder labeled Manual in the root directory of the CD ROM. For installation information, open the file `REPORTCAST-UNIX-INSTALL.PDF`.
3. Find the directory labeled REPORTCAST. Inside this directory, there are separate folders for different web servers.
4. Follow the instructions in `REPORTCAST-UNIX-INSTALL.PDF` to install Reportcast. When installing the Reportcast Server, you also have to install the agent.

5. After you successfully install the Reportcast Server, open your browser, and type `http://<web server name>/acweb/<report server name>` to access your folders in the report server and run or view reports.

For example, if the Reportcast Server and the web server are installed on `machine1.foo.com/port 8080`, and the Report server on `machine2.foo.com`, in the browser type

`http://machine1.foo.com:8080/acweb/machine2.foo.com` and press the Enter key. This asks for `userid` and `passwd`. Default is Administrator, and no `passwd`.

6. After the login, click on your IMM folder. You should now see all five folders: Auction,...OMS. Click on a particular module to view or run the reports.

View and Run the Report Using Actuate End User Desk Top (EUDT)

1. Insert the CD labeled Desktop Products Reportcast into the CD ROM. Find the installation information in the folder labeled Manual in the root directory of the CD ROM. Open the file `ENDUSER-DESKTOP-INSTALL.PDF` for installation information.
2. Find the directory labeled EUDT. Run `Setup.exe` to install End user desk top.
 - o Once EUDT is open, it lists all of the folders and report instances and executables from the report server.
 - o The report instances can be viewed, and the executables can be run.

Setup and Run Reports (MappingMain Program)

Follow the steps outlined below to run the `MappingMain` program that synchronizes the community information from LDAP to Oracle community tables. The iPlanet Market Maker reports developed using Actuate need to have Oracle community tables populated before running them.

Before executing this program you need to setup the properties in `MappingData.properties`. Look at all of the properties, and set the correct values accordingly.

1. Execute MappingMain program periodically:
 - * Set up the environment by running `$IMM_HOME/mm.kshrc` (if you use korn shell) or `$IMM_HOME/mm.cshrc` (if you use c shell) for iPlanet Market Maker user or custom user. This sets up iPlanet Market Maker environment.
 - * Edit `$IMM_HOME/properties/MappingData.properties` file to:

- a. Setup MAIL section (MAIL_SERVER, MAIL_TO, MAIL_FROM, MAIL_SUBJECT values) for the program to notify by email in case of program failure.
- b. Setup LOGFILE section (LOGFILE_FREQUENCY, LOGFILE_BASEDIRECTORY, LOGFILE_EXTENSION) for the program to write logging information. This directory needs cleanup on periodic basis.

* Setup a cron job in the iPlanet Market Maker user or custom user to run the following program at desired intervals, preferably daily, before running the daily reports. This can be executed on the command line, and whenever the community information needs to be synchronized to Oracle for reporting purposes.

```
java com.iplanet.ecommerce.vortex.reports.MappingMain
```

2. Refer to \$IMM_HOME/reports/ReadmeReportsIMM.htm for deployment of the iPlanet Market Maker reports using Actuate tools.

The report files in the \$IMM_HOME/reports/ directory need to be deployed from Windows client. You need to transfer these binary files from UNIX to Windows so that Actuate Administration Desktop can be used. Actuate Administration Desktop is available in Windows only.

Installing iPlanet Market Maker

This chapter describes the tasks needed to install the iPlanet Market Maker software, which you should perform in the following order:

- Uninstall Previous iPlanet Market Maker Installation
- Steps to Follow Before Installing the iPlanet Market Maker Software
- Installing the iPlanet Market Maker Software

Uninstall Previous iPlanet Market Maker Installation

- The previous iPlanet Market Maker installation must be fully uninstalled prior to installing the Version 4.5 Release.
See “iPlanet Market Maker Database Setup” and “Uninstallation”, “Versions 4.0, 4.0 SP1, and 4.5”.
- An upgrade from iPlanet Market Maker versions 1.0, 1.0 SP1, 4.0, or 4.0 SP1 is not supported within the installer.
- To upgrade, refer to the Upgrade Guide.

Steps to Follow Before Installing the iPlanet Market Maker Software

Before you start the installation process, check the following:

1. Login as Oracle user and run `sqlplus system/<password>@<net service name>`

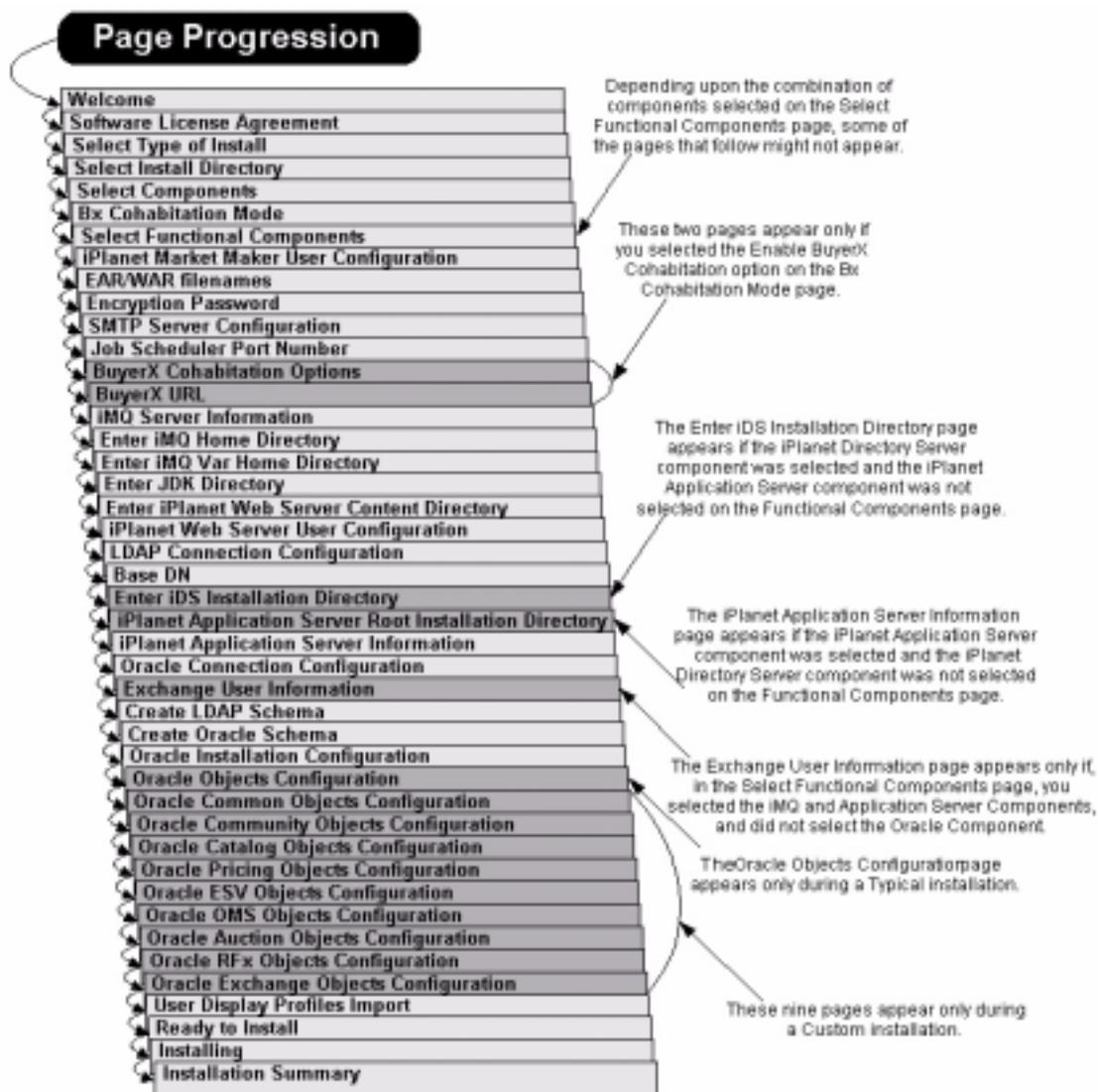
NOTE Net Service Name=whatever you selected during the Oracle database creation. You must specify the *<net service name>*. See the “Using the Oracle Universal Installer” section in Appendix B.

If you are not able to connect with the above parameters, the installation does not succeed. See the “Troubleshooting” section of this Installation Guide.

2. Check Java version. For example, `java -version` should report 1.2.2_07.
3. Verify that the iPlanet Directory Server is running.
4. Verify that the iPlanet Application Server is running.
5. Verify that the iPlanet Messaging Queue is running.
6. The `bash` utility should be available on the system and should be included in PATH. Run the `bash -version` command to check for the bash version number, which should be 2.00.0 or higher.

Installing the iPlanet Market Maker Software

iPlanet Market Maker Software Page Progression



Using Separate Servers for iPlanet Web Server and iPlanet Application Server

The iPlanet Market Maker installer supports the installation of different components on separate machines.

Pre-requisites

1. Install a webless instance of iPlanet Application Server on machine A.
2. Export a local file system in machine A, so that it is mountable from machine B.
3. Mount the exported file system of machine A on machine B.
4. Create a new web server instance if you already have iPlanet Web Server installed (otherwise, install iWS on machine B), and select the mounted location as the docs directory location for the iWS instance.
5. Install the iPlanet Application Server software with the Web Connector plug-in only on machine B (see the notes below regarding how to do this).
 - a. Select machine A as the webless iAS instance
 - b. Provide the location (`/export/home/iws/https-*`) of the Web Server instance on this machine B.

Steps

1. Install the iPlanet Market Maker software on machine A, and select the exported location for iWS static pages.
2. Now connect to URL
`http://<domain>:<port>/NASApp/imm40/imm/imm.jsp`

Installing the Web Connector Plug-in

The Installation Instructions and Release Notes for the iPlanet Application Server you are installing can be found at:

`http://docs.iplanet.com/docs/manuals/ias.html`

More information about the iPlanet Application Server Web Connector Component is contained in the iPlanet Application Server Administrator's Guide, and in the Deployment Tool online help system, which is accessible directly from the Deployment Tool software.

NOTE Mounting of the NFS file system has not been tested with firewalls.

File Attachments / File Uploads

There is an inconsistency in the behavior of various modules with regard to attachments and uploads of files.

- **RFx**

Attached files during RFx create is uploaded to the iPlanet Market Maker machine (for example, the iPlanet Application Server); this is configurable in the `VortexConfiguration.properties`.

Regarding RFx attachments:

To make an attachments folder and its contents (attachments) globally accessible by all registered users in the marketplace, configure the folder location in property file:

```
<iAS_HOME>/ias/APPS/imm40/imm40/WEB-INF/classes/VortexConfiguration.properties
```

by the following property:

```
#CFG_ATTACHMENT_DEFAULT_SAVE_DIRECTORY
# - The directory in which file attachments are saved.
24=/export/home/imm/imm/misc
```

- **Auctions**

Images uploaded are saved in the web server instance content directory (for example, web server machine); this is configurable in the `AuctionConfiguration.properties`.

NOTE The image directory should be shared by all web servers.

Following are the configurable parameters for uploading images:

```
#CFG_ATTACHMENT_TMP_DIR
# - Auction image attachment temporarily stored here
# - Make sure this this directory has world-readable and world-writable permission
# - and is located under IWS doc dir
8=/export/home/iws/docs/imm40/imm/auction/images/
uploaded_images/tmp
```

```
#CFG_ATTACHMENT_DIR
# - Auction image attachment permanently stored here.
# - Make sure this this directory has world-readable and world-writable permission
# - and is located under IWS doc dir
9=/export/home/iws/docs/imm40/imm/auction/images/
uploaded_images
```

```
#CFG_IMAGE_ATTACHMENT_TMP_URI
# - relative URI to where the image files are located
10=auction/images/uploaded_images/tmp
```

```
#CFG_IMAGE_ATTACHMENT_URI
# - relative URI to where the image files are located
11=auction/images/uploaded_images
```

```
#CFG_CATALOG_IMAGE_DIR
# - Catalog item images stored here.
12=/export/home/iws/docs/imm40/imm
```

- **Catalog**

Images must be manually copied to the web server instance content directory (for example, web server machine); this is not configurable.

Order for Installing iPlanet Market Maker Functional Components

The order in which you install the iPlanet Market Maker functional components depends on which components are to be installed on which servers. The Functional Component Installation Sequence section below explains the required component installation order to follow.

Functional Component Installation Sequence

When multiple machines are used, a separate installation is required for each machine. When using more than one machine, a general dependency order for component installation applies as follows:

1. Install the iPlanet Market Maker Directory Server Database (LDAP) component on the iPlanet Directory Server machine, or from any machine having the iPlanet Application Server software or the iPlanet Directory Server software installed.
2. Install the iPlanet Market Maker Oracle Database component from a machine that has installed an Oracle client that points to the Oracle server.
3. Install the iPlanet Market Maker Messaging Queue component.
4. Install the iPlanet Market Maker Web component.

5. Install the iPlanet Market Maker Application Server component on the iPlanet Application Server machine.

Table 3-1 describes the installation setup, with server architecture on machine A and the Oracle Database Server installed on machine B.

Table 3-1 Server Architecture on Machine A; Oracle Database Server on Machine B

Machine A	Machine B
iPlanet Directory Server	Oracle Database Server
iPlanet Application Server	
iPlanet Web Server	
iPlanet Messaging Queue	

NOTE The iPlanet Market Maker software can be installed on a single machine in the normal manner if Oracle client is already installed on Machine A.

Based on the example in Table Table 3-1:

1. Run the installer on Machine A and, on the Select Functional Components page, click to place a checkmark in the textbox next to iPlanet Directory Server (LDAP).
2. Run the installer on Machine B and click to place a checkmark in the textbox next to Oracle Database.
3. Run the uninstaller to remove the iPlanet Market Maker installation carried out in step 1. Do not delete the directory server entries.

4. Run a separate instance of the installer on Machine A and click to place checkmarks in the textboxes next to iPlanet Application Server, iPlanet Web Server, and iPlanet Messaging Queue.

Table 3-2 describes the installation setup, with server architecture on multiple machines, with the Oracle Database Server installed on machine A.

Table 3-2 Server Architecture on Multiple Machines; Oracle Database Server on Machine A

Machine A	Machine B
iPlanet Directory Server	iPlanet Web Server
Oracle Database Server	iPlanet Application Server
iPlanet Messaging Queue	

Based on the example in Table 3-2:

1. Run the installer on Machine A and, on the Select Functional Components page, click to place a checkmark in the textboxes next to iPlanet Directory Server (LDAP), Oracle Database Server, and iPlanet Messaging Queue.
2. Run the installer on Machine B and click to place a checkmark in the textboxes next to iPlanet Web Server and iPlanet Application Server.

Extracting Installation Files

To extract iPlanet Market Maker installation files, do the following.

1. Log in as the `root` user.
2. Choose the temporary directory location to extract iPlanet Market Maker installation files.
3. Copy `imm_45.tar` to your temporary directory.
4. Type in the following command to extract `imm_45.tar` to your temporary directory:

```
% tar xvfo imm_45.tar
```

This places the setup files and Release Notes in your current working directory.

Multi-Domain Installer

Table 3-3 Multi-Domain Installer Specifics

- You can use one Oracle instance for multiple iPlanet Market Maker instances. In this case, usernames should be unique across all iPlanet Market Maker instances.

For example:

oms1 (for the first instance)

oms2 (for the second instance)

Or, you can use a separate Oracle instance for each iPlanet Market Maker instance. In this case, you can use the same Oracle username for each iPlanet Market Maker instance.

- You can use one iPlanet Messaging Queue instance for multiple iPlanet Market Maker instances. In this case, using one single Oracle instance, usernames (created in Oracle), datafile names, index names, tablespace names, and so forth, should be unique across all iPlanet Market Maker instances.

See the example above in this table.

Or, you can use a separate iPlanet Messaging Queue instance for each iPlanet Market Maker instance. In this case, you can use the same username for each iPlanet Market Maker instance, provided that the users are created on a separate Oracle instance.

- You can use one LDAP instance for multiple iPlanet Market Maker instances. In this case, the Base DN should be unique across all iPlanet Market Maker instances.

See the example above in this table.

Or, you can use a separate LDAP instance for each iPlanet Market Maker instance. In this case, you can use the same Base DN name, or you can use a different Base DN name for each iPlanet Market Maker instance.

- You can use one iPlanet Web Server instance for multiple iPlanet Market Maker instances, or you can use a separate iPlanet Web Server instance for each iPlanet Market Maker instance. In either case, the EAR and WAR filenames should be unique across all iPlanet Market Maker instances.

Starting the Installation Process

To continue installing iPlanet Market Maker, follow these steps.

1. Run the setup command:

```
% ./setup
```

This command starts the iPlanet Market Maker installation wizard in graphical mode that guides you through the installation procedure. Each wizard page has a Help button that provides information about that page. To exit the wizard at any time, press the Exit button on any page.

NOTE If you are performing the installation from a remote server, verify that your `DISPLAY` environment variable is set correctly.

If you want to run setup in the command line mode (for example, if you do not have an X-server available and you are trying to install from a remote location), run the following command:

```
% ./setup -nodisplay
```

If running in the command line mode, the initial page contains instructions for entering data and running the installer.

NOTE

- Because of the Java API constraints, in the command line mode, passwords are visible as you enter them. If you are concerned about security while you are installing the iPlanet Market Maker software in this mode, take necessary precautions.
- This section lists the installation pages in the order in which they appear if you choose to install all of the iPlanet Market Maker components at once. If you choose to install only some of the components, the pages appear in a different order.

2. On the **Welcome** page:



- a. Read the Welcome message.
- b. Select the Next button to continue the installation.

NOTE If running in the command line mode, press the Enter key to continue the installation.

3. On the Software License Agreement page:



- If necessary, increase the window size to make the entire agreement visible.
- Review the agreement.
- Select the **Yes (Accept License)** option to accept and continue the installation.

NOTE

- If running in the command line mode, press the Enter key.
 - Enter **yes** (full word) at the command prompt.
 - Press the Enter key to continue the installation.
-

4. On the **Select Type of Install page:**



Select the Typical or Custom installation option:

- a. Select a Typical installation that uses default values to create schemas in the Oracle database for OMS, Auctions, RFx, and so forth.
- b. Select the Next button to continue the installation.

Or:



- a. Select a Custom installation to provide options to customize the Oracle schema creation to your requirements.

Select a Custom installation if you want to install more than one iPlanet Market Maker instance on a single iPlanet Application Server.

These page options appear later in this installation, beginning with Step 33, through and including Step 41.

- b. Select the Next button to continue the installation.

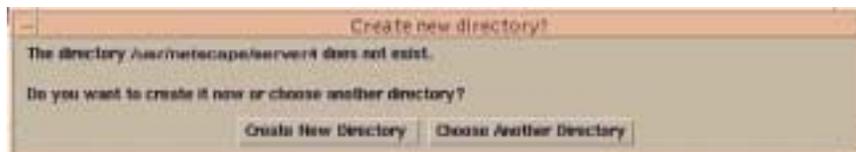
-
- NOTE**
- If running in the command line mode, enter the value *1* for a Typical installation and *2* for a Custom installation.
 - Press the Enter key to continue the installation.
-

5. On the **Select Install Directory** page:



- a. Accept the default or select the Browse... button to search for a new location.
- b. Select the Next button to continue the installation.

If you enter an existing directory that contains the iPlanet Market Maker product, the following warning appears after you click the Next button informing you of the existing directory, and that the installation you are performing may modify the existing directory:



- c. Click the **Create New Directory** button or the **Choose Another Directory** button.

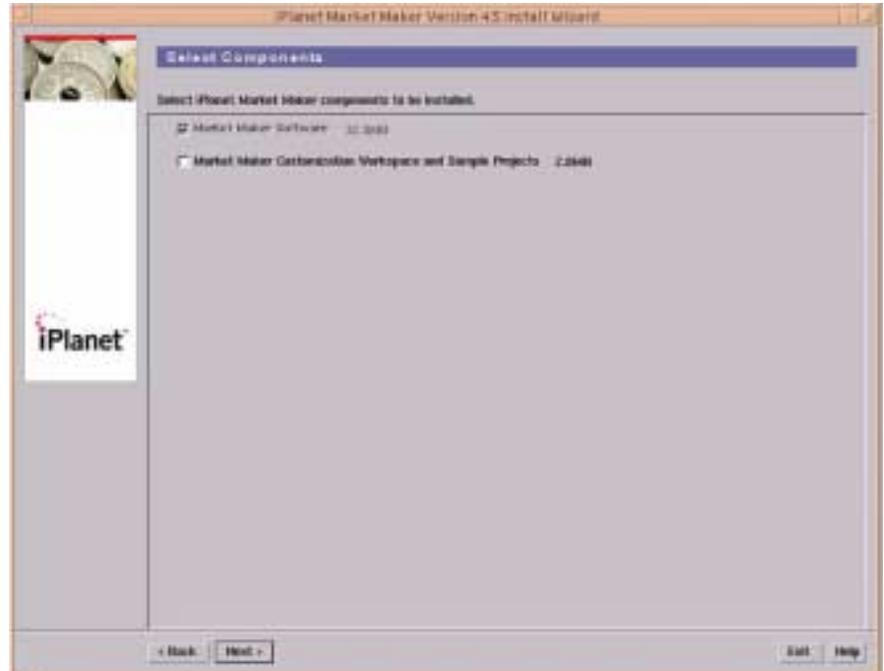
This action takes you back to the **Select Install Directory** page:

- d. Accept the default, or create a new directory, or choose another directory.
- e. Click the **OK** button to continue.

-
- NOTE**
- If running in the command line mode, accept the default, or enter a new directory name.
 - Press the **Enter** key to continue the installation.

The installer creates an iPlanet Market Maker directory in the specified location and places iPlanet Market Maker underneath it.

6. On the **Select Components** page:



The iPlanet Market Maker software is installed by default.

- a. (Optional) Select the Market Maker Sample Projects option to install customization workspace and sample projects.
- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the default.
 - Press the Enter key to continue the installation.
-

7. On the **BuyerX Cohabitation Mode** page:



CAUTION *The BuyerX Cohabitation Mode page that is seen during the installation of iPlanet Market Maker 4.5 cannot be used in conjunction with any BuyerXpert versions prior to BuyerXpert 4.5.*

If you want the iPlanet Market Maker software to operate in conjunction with an existing iPlanet BuyerXpert 4.5 installation (that must be installed before installing iPlanet Market Maker):

- a. Select the Enable BuyerX Cohabitation option.
- b. Click the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter *yes* to enable the BuyerX Cohabitation, or *no* if you do not want to enable the BuyerX Cohabitation.
 - Press the Enter key to continue the installation.
-

8. On the **Select Functional Components** page:



The iPlanet Market Maker functional components, each showing a checked box, are installed.

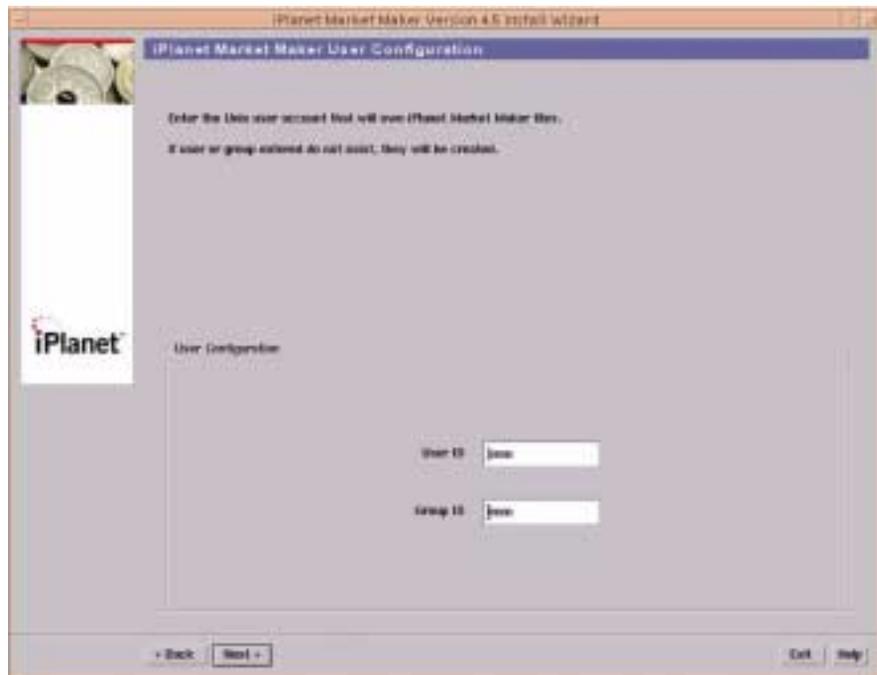
- a. Accept the defaults to accept all components (or select the necessary components).

To find out which components need to be selected, consult the Order for Installing iPlanet Market Maker Functional Components section that appears earlier in this guide.

- b. Click the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter *yes* or *no* at each command prompt for each component that you want to install.
 - Press the Enter key to continue the installation.
-

9. On the **iPlanet Market Maker User Configuration** page:



- a. Enter the user and group accounts that will own the iPlanet Market Maker files.

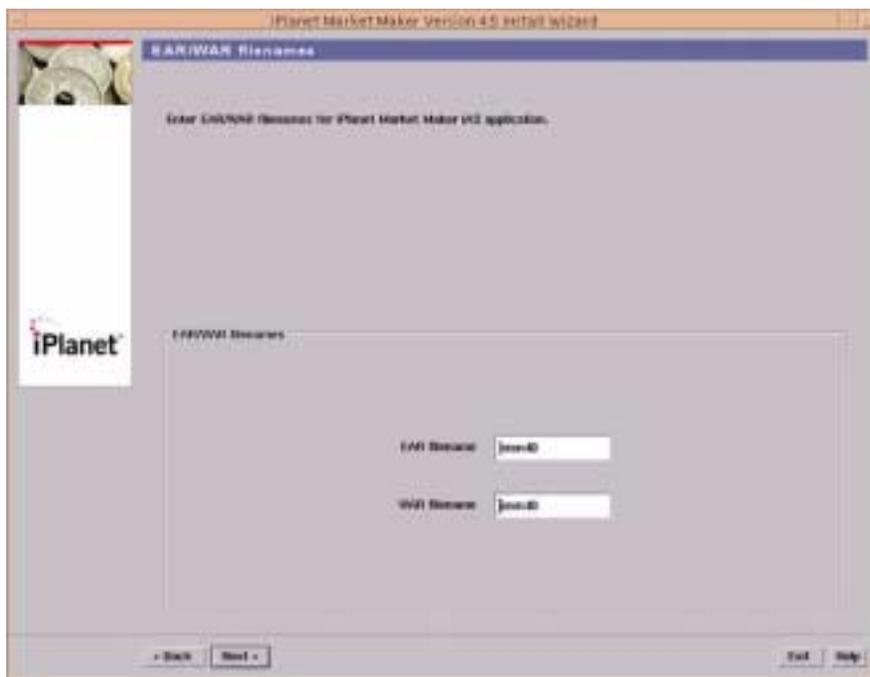
The User ID and Group ID are the UNIX user IDs.

The installer creates these accounts if they do not exist.

- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter the User ID and the Group ID.
 - Press the Enter key after each entry to continue the installation.
-

10. On the **EAR/WAR** filenames page:



This page only shows up if the Custom Install option was previously selected and if the iPlanet Application Server and/or iPlanet Web Server components were chosen on the Functional Components page.

These entries affect the iPlanet Market Maker URL:

`http://localhost/NASApp/<WAR_filename>/imm/imm.jsp`

- a. Accept the default in the EAR textbox, or enter a new EAR filename.

If you are installing multiple instances of iPlanet Market Maker on the same server, you need to specify a different EAR filename for each instance.

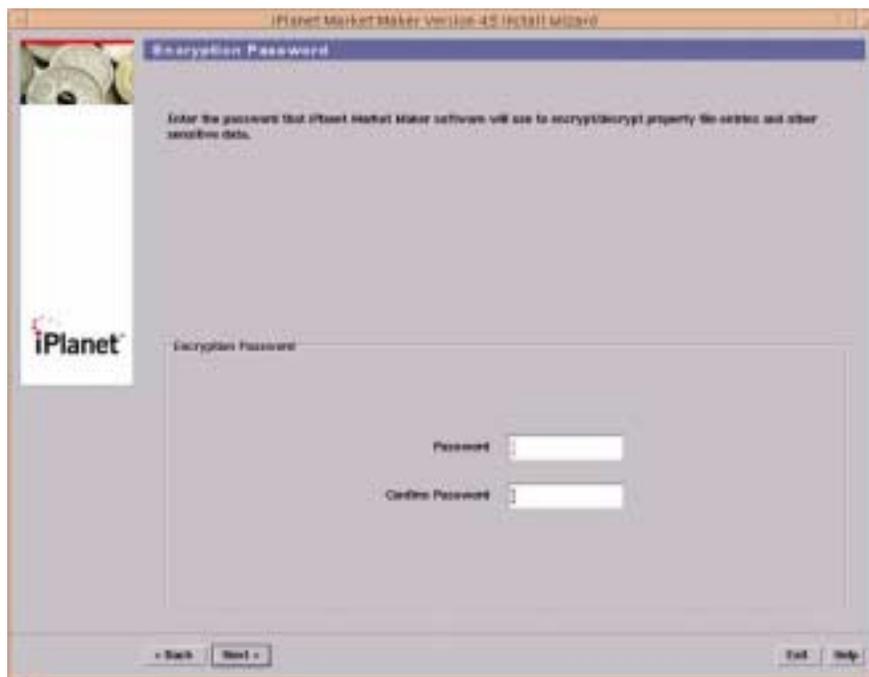
- b. Accept the default in the WAR textbox, or enter a new WAR filename.

If you are installing multiple instances of iPlanet Market Maker on the same server, you need to specify a different WAR filename for each instance.

- c. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the defaults or enter new EAR and/or WAR filenames.
 - Press the Enter key after each entry to continue the installation.
-

11. On the **Encryption Password** page:



- a. Enter a password to be used by the iPlanet Market Maker software to encrypt/decrypt property file entries and other sensitive data (for example, order details stored in the Oracle database).

If you are reinstalling iPlanet Market Maker, you must use the same password you specified for your previous installation.

You risk losing important data if you do not specify your original password. This password is used for encrypting sensitive data stored in the properties files and in the Oracle database.

If iPlanet Market Maker should cohabit with a previously installed version of BuyerXpert, then you must use the same encrypt/decrypt password that was used for the BuyerXpert installation.

- b. Enter the same password again in the Confirm Password textbox.
- c. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter and confirm the password at the command prompt.
 - Press the Enter key after each entry to continue the installation.
-

12. On the **SMTP Server Configuration** page:



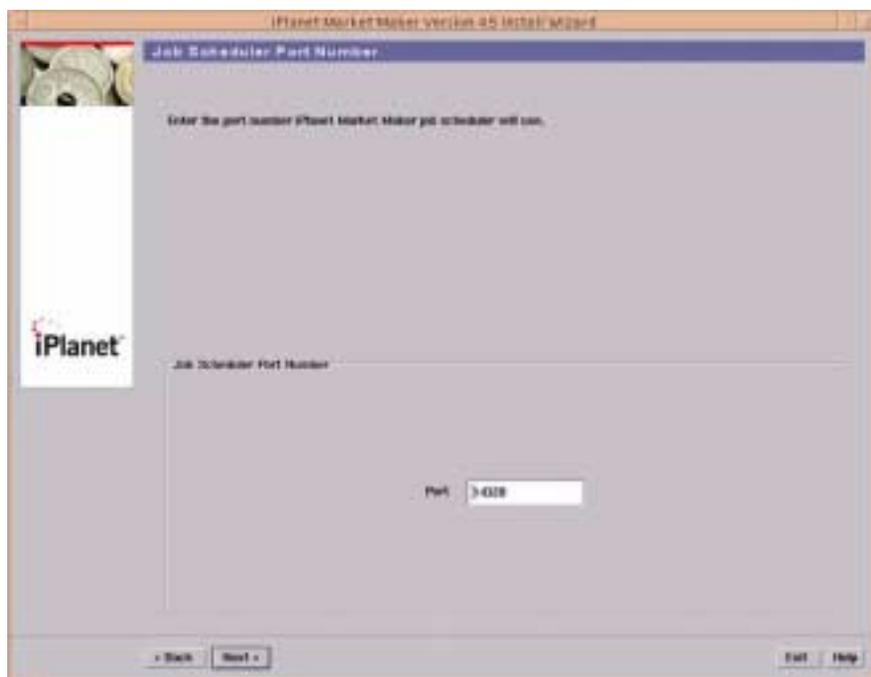
- a. Enter the SMTP server name used for email notification.
- b. Enter the SMTP server port number.
- c. Enter the Default notification initiator.

Specify a valid email address to be used to send and receive iPlanet Market Maker messages. This email address is not checked for validity in the installation process. After installation, you can change this email address in the `VortexConfiguration.properties` file.

- d. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter the SMTP server name and SMTP server port number.
 - Press the Enter key after each entry to continue the installation.
-

13. On the **Job Scheduler Port Number** page:

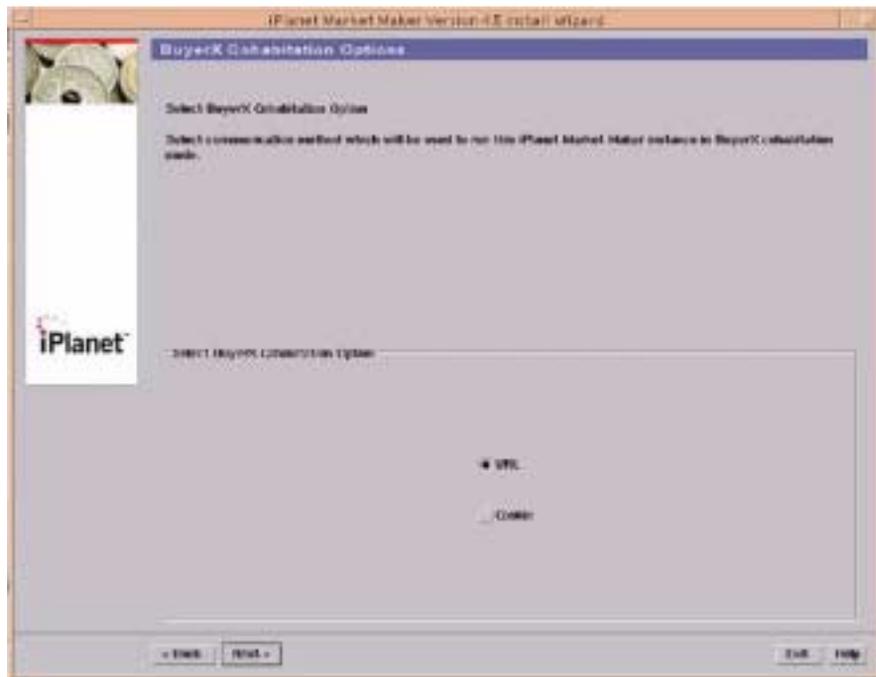


- a. Accept the default, or enter a new Job Scheduler port number.
- b. Select the Next button to continue the installation.

If you are installing multiple instances of iPlanet Market Maker on the same server, you need to specify a different job scheduler port number for each instance.

-
- NOTE**
- If running in the command line mode, accept the default, or enter a new Job Scheduler port number
 - Press the Enter key to continue the installation.
-

14. On the BuyerX Cohabitation Options page:

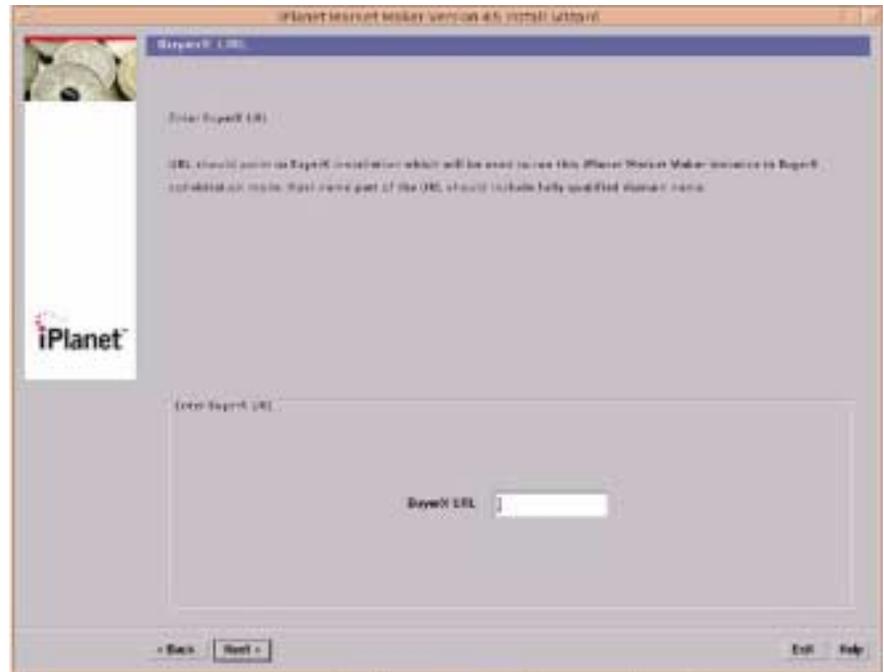


This page appears only if you selected the Enable BuyerX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above.

- a. Select the URL option (less secure than the Cookie option)
or
Select the Cookie option (more secure than the URL option).
- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, a warning notice appears asking: *Do you want to use URL option to run in BuyerX cohabitation mode?*
 - Enter *yes* or *no*.
 - If you answered *yes*, enter the URL at the next prompt.
 - If you answered *no*, a warning notice appears asking: *Do you want to use cookie option to run in BuyerX cohabitation mode?*
 - Enter *yes*.
 - Enter the URL at the next prompt.
 - Press the Enter key to continue the installation.
-

15. On the **BuyerX URL** page:



This page appears only if you selected the Enable BuyerX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above.

- a. Enter the BuyerXpert login page URL.

The name of the host must be fully qualified

(<http://<hostname.domain.com>/NASApp/buyer/Login>).

- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, enter the URL for the BuyerXpert login page.
 - Press the Enter key to continue the installation.
-

16. On the **iMQ Server Information** page:

The screenshot shows a window titled "iPlanet Market Maker Version 4.5: install wizard" with a sub-header "iMQ Server Information". Below the header is a small image of a globe and the iPlanet logo. The main text reads: "Provide information about iMQ Server that is used by iPlanet Market Maker software to configure Exchange Module. Information you provide on this screen will be used to by iPlanet Market Maker Exchange Module to communicate with iMQ." Below this is a section titled "iMQ Server Information" containing four input fields: "iMQ Hostname" (with "localhost" entered), "iMQ Port number" (with "7676" entered), "iMQ Admin User" (with "admin" entered), and "iMQ Password" (empty). At the bottom are navigation buttons: "< Back", "Next >", "Exit", and "Help".

Use this panel to provide information about the iPlanet Messaging Queue server to be used by iPlanet Market Maker Exchange Module.

This page appears only if you selected the checkbox next to the iPlanet Market Maker iMQ Component or iAS Component in Step 8 (Select Functional Components page) above.

CAUTION The iPlanet Market Maker Oracle component must exist before you can install the iMQ component.

- a. Accept the default, or enter the iMQ Hostname.
- b. Accept the default, or enter the Port number.

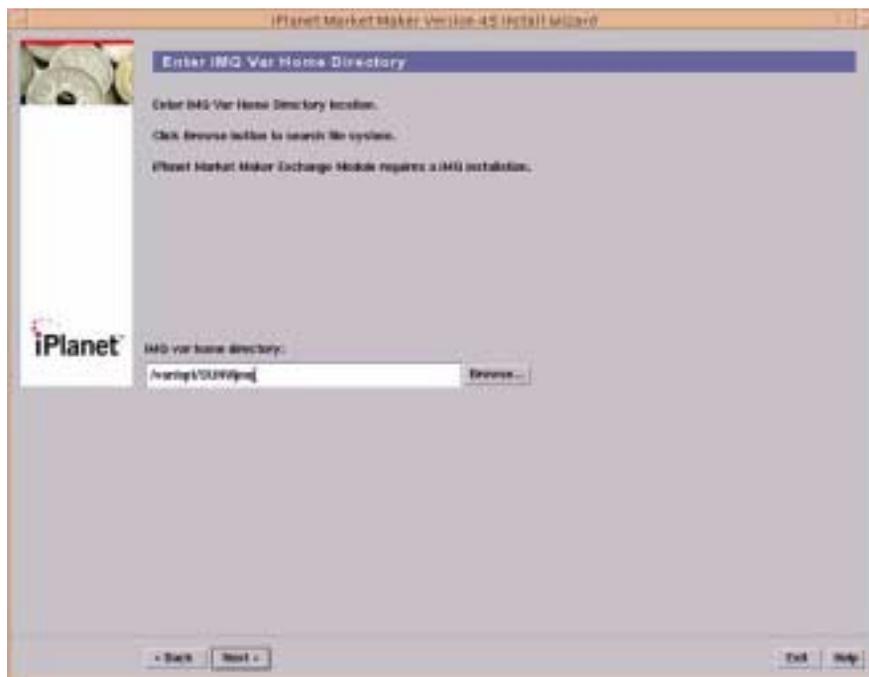
- c. Accept the default, or enter the iMQ Admin Username.

If you are installing multiple instances of iPlanet Market Maker using the same iMQ instance, usernames should be unique across all iPlanet Market Maker instances.

- d. Enter the iMQ password.
- e. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the defaults, or enter a new iMQ Hostname, Port number, and/or iMQ Admin User name.
 - Enter an iMQ password.
 - Press the Enter key after each entry to continue the installation.
-

18. On the **Enter iMQ Var Home Directory** page:

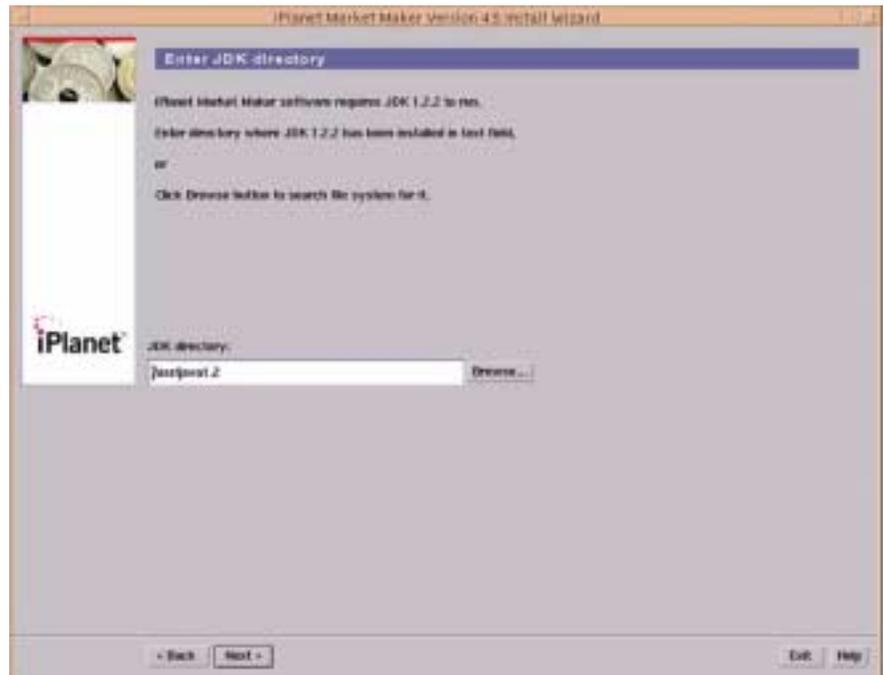


- a. Accept the default for the iMQ var home directory location, or select the Browse... button to search for the directory.
- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, accept the default, or enter a new iMQ var home directory name.
- Press the Enter key to continue the installation.

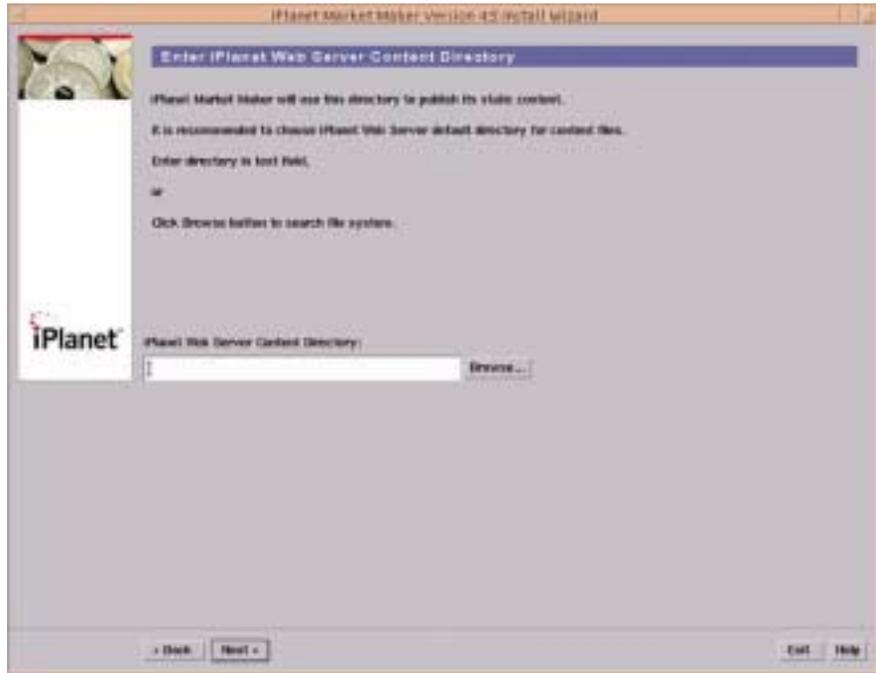
19. On the **Enter JDK directory** page:



- a. Accept the default (`/usr/java1.2`), or select the Browse... button to search for a new location where JDK is installed.
- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the default, or enter the JDK directory name.
 - Press the Enter key to continue the installation.
-

20. On the **Enter iPlanet Web Server Content Directory** page:



- a. Enter the iPlanet Web Server content directory location name, or select the Browse... button to search for a location.

CAUTION This is a required field, and should not be left blank.

iPlanet Market Maker uses this directory to publish its static environment. The default is usually docs directory under the iPlanet Web Server directory, such as `/export/home/iws/docs`.

- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, enter an iPlanet Web Server Content Directory name.
- Press the Enter key to continue the installation.

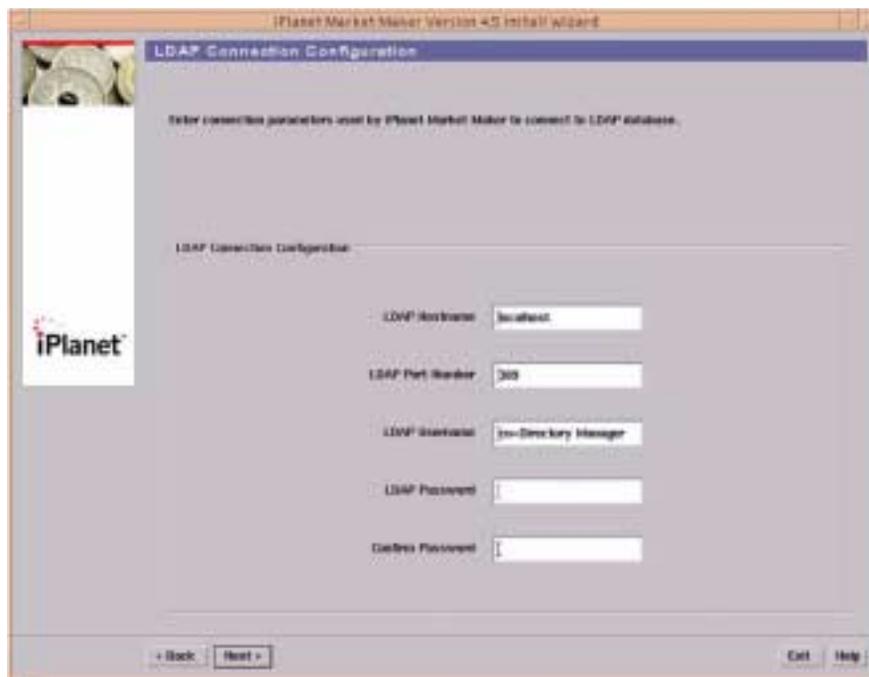
21. On the **iPlanet Web Server User Configuration** page:



- a. Enter the UNIX User ID as iPlanet Web Server runs.
Typically, that User ID is *nobody*.
- b. Enter the UNIX Group ID to which the iPlanet Web Server belongs.
Typically, that Group ID is *nobody*.
- c. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter the UNIX User ID and UNIX Group ID.
 - Press the Enter key after each entry to continue the installation.
-

22. On the LDAP Connection Configuration page:



This page specifies the parameters used by the iPlanet Market Maker software to establish connections to the iPlanet Directory Server database.

- a. Accept the default of `localhost` in the LDAP Host Name textbox, or enter a value specific to your configuration.
- b. Accept the default of `389` in the LDAP Port Number textbox, or enter a value specific to your configuration.
- c. Accept the default of `cn=Directory Manager` in the LDAP Username textbox, or enter a value specific to your configuration.
- d. Enter in the LDAP Password textbox the password used when installing the Directory Server.
- e. Repeat the LDAP password entry in Confirm Password textbox.
- f. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the defaults, or enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

23. On the **Base DN** page:



a. Enter a Base DN name.

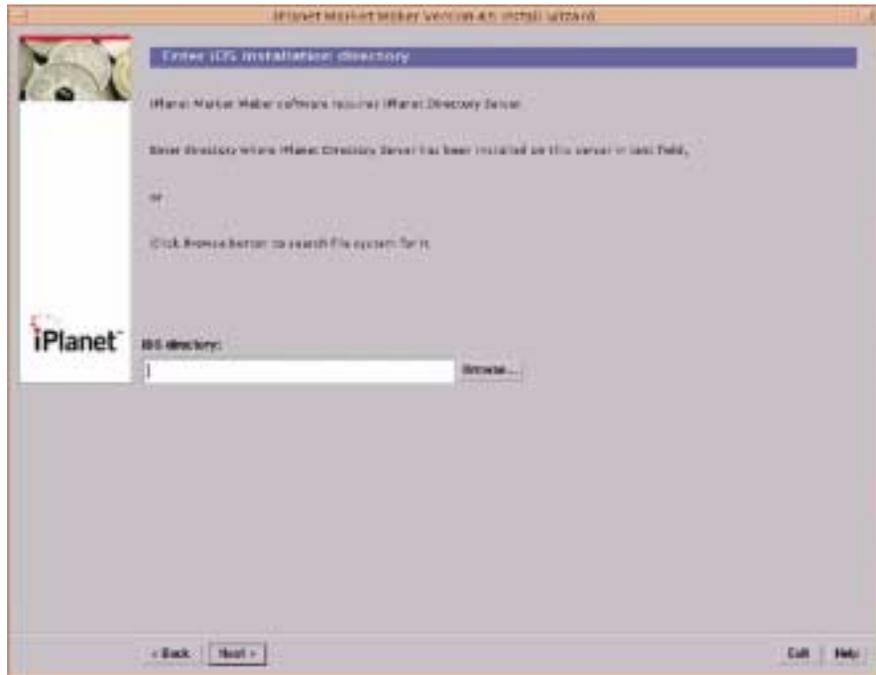
If you want to use the same directory server instance to store LDAP data for more than one iPlanet Market Maker instance, you need to use a different Base DN entry for each iPlanet Market Maker instance.

If you are using separate directory server instances, you can use the same Base DN entry for each iPlanet Market Maker instance.

b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter a Base DN name.
 - Press the Enter key to continue the installation.
-

24. On the Enter iDS Installation Directory page:



This page appears only if the iPlanet Directory Server component was selected and the iPlanet Application Server component was not selected in Step 8 (Select Functional Components page) above.

- a. Enter the directory name containing either the iPlanet Directory Server installation or the iPlanet Application Server installation.

This directory is utilized to locate the `ldapmodify` utility (found in `<directory>/shared/bin`) that is used to import the LDAP schema and data.

- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter the directory name containing either the iPlanet Directory Server installation or the iPlanet Application Server installation.
 - Press the Enter key to continue the installation.
-

25. On the iPlanet Application Server Root Installation Directory page:



- Enter the iPlanet Application Server Installation Directory name, or select the Browse... button to search for the directory.
- Select the Next button to continue the installation.

If you enter a directory name where an iAS instance is already installed, after you click the Next button, a warning appears (an expected behavior) informing you of the existing directory and that the installation might modify the existing directory.



- c. Click the OK button to continue.

NOTE

- If running in the command line mode, enter a directory name at the command prompt.
 - Press the Enter key to continue the installation.
-

26. On the iPlanet Application Server Information page:

The screenshot shows the 'iPlanet Application Server Information' page within the 'iPlanet Market Maker Version 4.3 install wizard'. The page has a title bar and a logo on the left. The main content area contains the following text and fields:

Use this page to provide information about iPlanet Application Server that will be used by installer to deploy iPlanet Market Maker components to iPlanet Application Server.

iPlanet Application Server Information

Hostname: localhost

Admin Port Number: 3007

Admin Name: admin

Password: []

At the bottom, there are buttons for '< Back', 'Next >', and 'Exit Help'.

This page appears only if you selected the iPlanet Application Server component and did not select the iPlanet Directory Server component in Step 8 (Select Functional Components page) above.

This page provides information about the application server that is used by iPlanet Market Maker to deploy iPlanet Market Maker components to an application server.

- a. Accept the default in the Hostname textbox, or enter a value specific to your configuration.
- b. Accept the default in the Admin Port number textbox, or enter a value specific to your configuration.
- c. Accept the default in the Admin name textbox, or enter a value specific to your configuration.
- d. Enter a password in the Password textbox.
- e. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, accept the defaults, or enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

27. On the Oracle Connection Configuration page:



This page specifies the parameters used by the iPlanet Market Maker software to establish the JDBC connection to the Oracle database.

- a. Accept the default in the SID textbox, or enter an SID you selected during database creation.
- b. Accept the default in the Hostname textbox, or enter an Oracle server machine name.

- c. Accept the default in the Port number textbox, or enter the Oracle Port Number on which Oracle is running.
- d. Enter an Oracle Username, or accept the default of *vortex*.

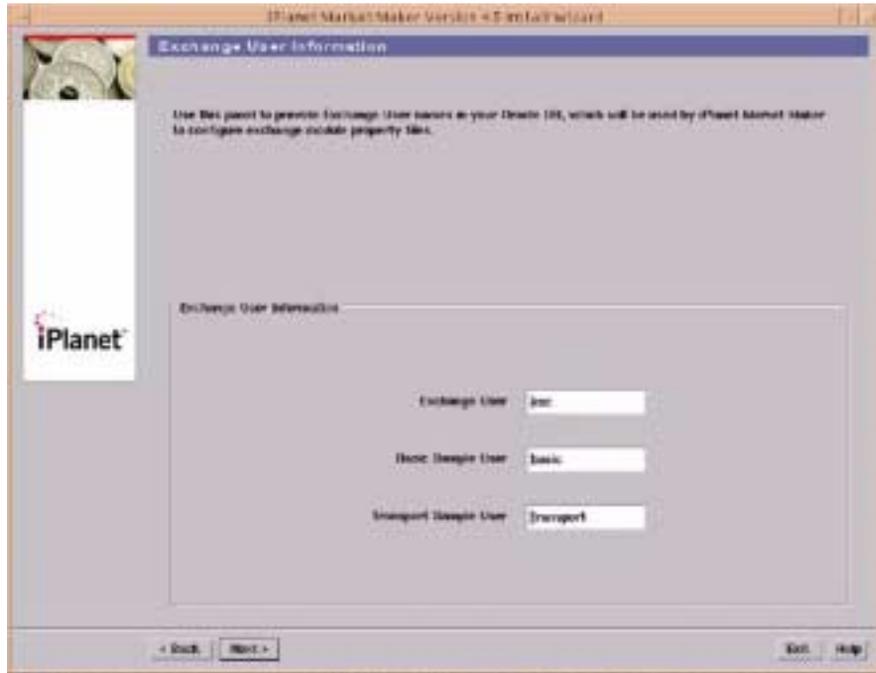
The username you select is created as part of the Oracle schema installation.

If you are installing multiple instances of iPlanet Market Maker using the same SID, you need to specify a different username for each iPlanet Market Maker instance.

- e. Choose a user password for user (for example, *vortex*) and enter it in the Password textbox.
- f. Type your user password again in the Confirm Password textbox.
- g. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

28. On the Exchange User Information page:



This page appears only if you selected the iMQ and application Server Components and did not select the Oracle Component in Step 8 (Select Functional Components page) above.

- a. Accept the default in the Exchange User textbox, or enter a new Exchange User name.
- b. Accept the default in the Basic Sample User textbox, or enter a new Basic Sample User name.

If you are installing multiple instances of iPlanet Market Maker using the same Oracle SID, you need to specify a different username for each iPlanet Market Maker instance.

- c. Accept the default in the Transport Sample User textbox, or enter a new Transport Sample User name.
- d. Click the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a new Exchange User name and/or Basic Sample User name, and/or a Transport Sample User name.
 - Press the Enter key after each entry to continue the installation.
-

29. On the Create LDAP Schema page:



This page appears only if you selected the checkbox next to the iPlanet Market Maker Directory Server Component in Step 8 (Select Functional Components page) above.

This step recreates the iPlanet Market Maker LDAP schema and import sample data.

The Create LDAP Schema page does not appear if you selected the BX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above.

If you selected the BX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above, iPlanet Market Maker uses the BX LDAP database. Otherwise, iPlanet Market Maker requires its own LDAP instance.

The LDAP Schema is required to run the iPlanet Market Maker software.

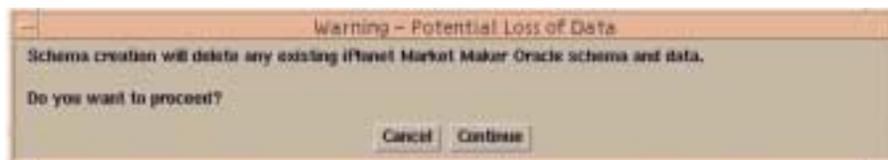
You need to accept the Create LDAP Schema option to use the iPlanet Market Maker software.

- a. Click to remove the checkmark next to the Create LDAP schema option to turn off the Create LDAP schema option and preserve your existing LDAP schema,

If you leave the checkmark in the checkbox, you accept the Create LDAP schema option, and all of your previous iPlanet Market Maker LDAP schema data will be deleted.

- b. (Optional): Accept the *Import sample data* default.
- c. Select the Next button to continue the installation.

After clicking the Next button, a warning notice appears asking: *Schema creation will delete any existing iPlanet Market Maker LDAP Schema and data. Do you want to proceed?*



- d. Click the Continue button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter *yes* or *no* at each command prompt.

If you chose to create a schema, confirm your choice by entering the value *2* to continue, or enter the value *1* to cancel.

- Press the Enter key to continue the installation.

(Cancelling aborts the installation.)

30. On the Create Oracle Schema page:



The Create Oracle Schema page does not appear if you did not select the BX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above.

If you selected the BX Cohabitation option in Step 7 (BuyerX Cohabitation Mode page) above, iPlanet Market Maker uses the BX Oracle database. Otherwise, iPlanet Market Maker requires its own Oracle instance.

This page appears only if you selected the checkbox next to the iPlanet Market Maker Directory Server Component in the Select Functional Components page in Step 8 above.

This step recreates the iPlanet Market Maker Oracle schema and import sample data.

- a. Click to remove the checkmark next to Create Oracle schema to turn off the Create Oracle schema option and preserve your existing Oracle schema.

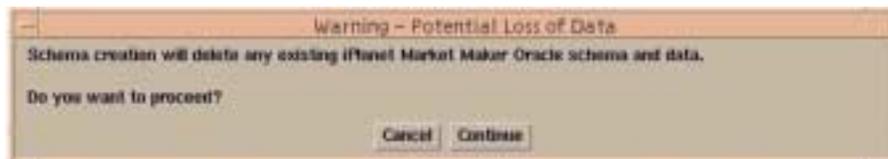
If you leave the checkmark in the checkbox, you accept the Create Oracle schema option, and all of your previous iPlanet Market Maker Oracle schema data will be deleted.

The Oracle Schema is required to run the iPlanet Market Maker software.

You need to accept the Create Oracle Schema option to use the iPlanet Market Maker software.

- b. (Optional): Accept the Import sample data default.
- c. Select the Next button on the Create Oracle Schema page to continue the installation.

After clicking the Next button, a warning notice appears stating: *Schema creation will delete any existing iPlanet Market Maker Oracle Schema and data. Do you want to proceed?*



- d. Click the Continue button to proceed with the installation.

NOTE

- If running in the command line mode, enter *yes* or *no* at each command prompt.

If you chose to create a schema, confirm your choice by entering the value *2* to continue, or enter the value *1* to cancel.
- Press the Enter key to continue the installation.

(Cancelling aborts the installation.)

31. On the **Oracle Installation Configuration** page:



This page defines the parameters used by iPlanet Market Maker installer to establish a connection to your Oracle database, create the iPlanet Market Maker schema, and import sample data.

Consult your Oracle Database Administrator if you have questions about what information to enter in this page.

- a. Enter the same Network Service Name as specified during Oracle database creation. This net service name should be obtained from the `tnsnames.ora` file. This is not necessarily the same as the SID name. See the Procedures for the Oracle User section in Appendix B.
- b. Accept the default (Admin Username). Contact your Oracle database administrator for further information.
- c. Enter the Oracle Admin password for above user.
- d. Enter the Oracle Home Directory pathname to be used to start the Oracle client. Contact your Oracle database administrator for further information.
- e. Select the Next button to proceed with the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

32. On the Oracle Objects Configuration page:



This page appears only if you selected the Typical Installation option in Step 4 (Select Type of Install page) above.

Parameters entered on this server are used to install all Oracle objects for all modules.

- a. Enter a password in the Module User's Password textbox.

- b. Enter the Oracle Datafile and Indexfile Directory location information. These directories must exist on the Oracle server.
- c. Click the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue.
-

-
- NOTE**
- The following nine pages only appear if the Custom Installation option was selected in Step 4 (Select Type of Install page) above.
 - If you are performing a Typical Installation, skip to Step 42 (User Display Profiles Import page) below.
-

CAUTION If you are using the same Oracle SID with multiple iPlanet Market Maker instances, entries on the following nine pages should be different for each of the iPlanet Market Maker instances for:

- Oracle Module User
- Oracle Data Filenames
- Oracle Index Filenames
- Data Tablespace Name
- Index Tablespace Name

Additionally, for the Exchange module only:

- Basic Sample Username
 - Transport Sample Username
-

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

34. On the **Oracle Community Objects Configuration** page:

The screenshot shows the 'Oracle Community Objects Configuration' window from the iPlanet Market Maker Version 4.5 install wizard. The window title is 'iPlanet Market Maker Version 4.5: install wizard'. The main title bar is 'Oracle Community Objects Configuration'. Below the title bar, there is a small image of a globe and the iPlanet logo. The main content area contains the following text: 'Provide the parameters used by iPlanet Market Maker to create community readable objects in Oracle databases.' Below this, there is a section titled 'Oracle Community Objects Configuration' which contains a table of configuration fields:

Field Name	Value	File Name	File Size
Oracle Mobile User	iam		
Oracle Desktop Directory	support\bin\ioracle	iamdt_VORTEXLdbf	
Sales Tablespace Name	iam_sls		1000
Oracle Indexfile Directory	log	iam_index_VORTEXLdbf	
Index Tablespace Name	iam_sls		1000

At the bottom of the window, there are buttons for '- Back', 'Next >', 'Exit', and 'Help'.

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create Community Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

36. On the Oracle Pricing Objects Configuration page:

The screenshot shows the 'Oracle Pricing Objects Configuration' page of the iPlanet Market Maker Version 4.5 install wizard. The page title is 'Oracle Pricing Objects Configuration' and it includes the iPlanet logo. The main content area contains the following fields:

Oracle Pricing Object to Configure	Field Name	Value
Oracle Market User	Username	jpt
Oracle Market User	Password	
Oracle Tablefile Directory	File Name	/export/finance/ocf jpt01_VORTEX.tbl
Data Tablespace Name	File Size	jpt_1o 1GB
Oracle Indexfile Directory	File Name	/exp jpt_index01_VORTEX.tbl
Index Tablespace Name	File Size	jpt_1i 1GB

At the bottom of the page, there are navigation buttons: '< Back', 'Next >', 'Exit', and 'Help'.

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create Pricing Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.
If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.
- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue.
-

37. On the **Oracle ESV Objects Configuration** page:

Oracle ESV Objects Configuration

Provide the parameters used by iPlanet Market Maker to create ESV metadata objects in Oracle database.

Oracle ESV Objects Configuration

Oracle Metadata User	<input type="text" value="jmv"/>	Password	<input type="text"/>
Oracle Database Directory	<input type="text" value="/export/home/finance"/>	File Name	<input type="text" value="jmv01_VORTEX.dbf"/>
Data Tablespace Name	<input type="text" value="jmv_data"/>	File Size	<input type="text" value="30M"/>
Oracle Indexable Directory	<input type="text" value="/tmp"/>	File Name	<input type="text" value="jmv_index1_VORTEX.dbf"/>
Index Tablespace Name	<input type="text" value="jmv_idx"/>	File Size	<input type="text" value="30M"/>

< Back Next > Exit Help

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create ESV Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

38. On the **Oracle OMS Objects Configuration** page:

The screenshot shows a configuration window for iPlanet Market Maker. The window title is "iPlanet Market Maker Version 4.5.1 Oracle OMS Objects Configuration". The main heading is "Create OMS Objects Configuration". Below the heading is a description: "Provide the parameters used by iPlanet Market Maker to create OMS module objects in Oracle database." The configuration area is titled "Oracle OMS Objects Configuration" and contains several input fields:

- Oracle Module User:
- Password:
- Oracle Database Directory:
- File Name:
- Data Tablespace Name:
- File Size:
- Oracle Instance Directory:
- File Name:
- Index Tablespace Name:
- File Size:

At the bottom of the window are buttons for "< Back", "Next >", "Exit", and "Help".

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create OMS Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

39. On the Oracle Auction Objects Configuration page:

The screenshot shows the 'Oracle Auction Objects Configuration' window. It contains the following fields:

Parameter	Value	File Name	File Size
Oracle Mobile User	jac		
Oracle Database Directory	ProgramFiles\iPlanet	jacBT_VDDTENC.dat	
Data Tablespace Name	jac_ts		1024
Oracle Instance Directory	ProgramFiles\iPlanet	jac_instBT_VDDTENC.dat	
Index Tablespace Name	jac_xts		1024

Navigation buttons at the bottom: < Back, Next >, Exit, Help.

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create Auction Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.
If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.
- b. Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

40. On the **Oracle RFX Objects Configuration** page:

The screenshot shows the 'Create Rfx Objects Configuration' page in the iPlanet Market Maker Version 4.5.0 install wizard. The page title is 'Create Rfx Objects Configuration' and it includes the iPlanet logo. The main content area is titled 'Create Rfx Objects Configuration' and contains a table of configuration parameters. The table has two columns: 'Name' and 'Value'. The values are entered in text boxes. At the bottom of the page, there are navigation buttons: '< Back', 'Next >', 'Exit', and 'Help'.

Name	Value
Oracle Module User	rls
Password	
Oracle Datafile Directory	/export/home/rls/rls
File Name	rls_VORTEX.dbf
Data Tablespace Name	rls_rl
File Size	100M
Oracle Indexfile Directory	/exp
File Name	rls_index_VORTEX.dbf
Data Tablespace Name	rls_rl
File Size	100M

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create RFX Module objects in the Oracle database.

- a. Accept the defaults and enter a password, or change any page parameters.

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- b. Select the Next button to continue the installation.

NOTE

- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

41. On the Oracle Exchange Objects Configuration page:

Oracle Exchange Objects Configuration

Provide the parameters used by iPlanet Market Maker to create exchange module objects in Oracle database.

Oracle Exchange Objects Configuration

Oracle Market User	<input type="text" value="jmc"/>	Password	<input type="text"/>
Oracle Instance Directory	<input type="text" value="F:\oracle\product\101\ORANT"/>	File Name	<input type="text" value="basic_sample_username"/>
Data Tablespace Name	<input type="text" value="jmc_t0"/>	File Size	<input type="text" value="10M"/>
Oracle Instance Directory	<input type="text" value="F:\oracle\product\101\ORANT"/>	File Name	<input type="text" value="jmc_sample_username"/>
Data Tablespace Name	<input type="text" value="jmc_t0"/>	File Size	<input type="text" value="10M"/>
Basic Sample Username	<input type="text" value="jmc"/>	Transport Sample Username	<input type="text" value="Transport"/>

< Back Next >

Cancel Help

This page appears only during a Custom Installation.

Provide parameters used by the iPlanet Market Maker software to create Exchange Module objects in the Oracle database.

- Accept the defaults, or make any required changes to the page parameters.
- Enter a password.
- Enter a Basic Sample Username.

If you are installing multiple instances of iPlanet Market Maker, you need to specify a different username for each iPlanet Market Maker instance.

- Enter a Transport Sample Username.
- Select the Next button to continue the installation.

-
- NOTE**
- If running in the command line mode, press the Enter key to accept each default and continue.
 - Or, enter a value specific to your configuration at each prompt.
 - Press the Enter key after each entry to continue the installation.
-

42. On the User Display Profiles Import page:

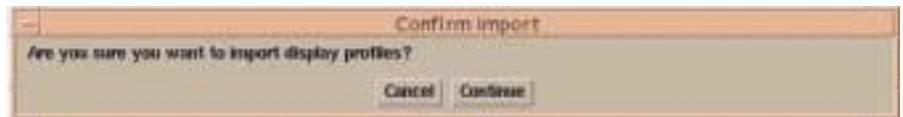


This page appears during both Typical and Custom installations.

- a. Choose Import Display Profiles the first time you install the iPlanet Market Maker software, and when you want to recreate either the database or the directory schema for iPlanet Market Maker.

If you are reinstalling the iPlanet Market Maker software and want to preserve both the Oracle database and the directory server schema for the iPlanet Market Maker software, turn off this option.

A warning notice appears asking: *Are you sure you want to import display profiles?*



- b. Select the Continue button to proceed with installation.

-
- NOTE**
- If running in the command line mode, enter *yes* to import the user display profiles.
A warning notice appears asking: *Are you sure you want to import display profiles?*
 - Enter the value *1* to cancel and *2* to continue.
 - Press the Enter key to continue the installation.
-

43. On the Ready to Install page:



Select the Install Now button to initiate installation.

Installation takes approximately twenty minutes.

-
- NOTE**
- If running in the command line mode, enter the value *1* to Install Now.
Or enter the value *2* to start over.
Or enter the value *3* to abort the installation process.
 - Press the Enter key to continue the installation.
-

44. On the **Installing...** page:



The Progress Bar indicates the installation progress.

The post installation process runs after the iPlanet Market Maker files have been installed and you have exited the installation (see the next page to exit). This is not necessarily evident from the Progress Bar display.

NOTE If running in the command line mode, the **Installing...** page appears indicating the installation progress.

45. On the **Installation Summary** page:



This page displays a summary of the installation process:

- *Product:* iPlanet Market Maker
- *Status:* Installed
- *Information: Details:* Provides an installation summary log. This summary log does not contain full information regarding post installation (for example, Oracle/LDAP schema creation).

Select the Exit button on the Installation Summary page to complete the installation process.

In both graphical and command line modes, more details from post installation script are available in the

`/var/sadm/install/logs/iPlanet_MarketMaker_postinstall.log` file.

NOTE If running in the command line mode, the Installation Summary page appears.

Enter a value of *1* to see the installation details, or enter a value of *2* to exit installation and initiate post-installation script.

When the command prompt appears, post-installation is complete.

46. After installation is complete, check the `iPlanet_MarketMaker_postinstall.log` file for any possible warnings or errors. The log files are in the directory `/var/sadm/install/logs`. For errors, consult Troubleshooting section that follows these instructions.
47. Restart iPlanet Application Server.
48. Source the environment file `$IMM_HOME/imm/mm.[c|k]shrc`
If you have trouble with your `mm.[c|k]shrc` file, see the “Troubleshooting” section.
49. Start the Job scheduler using `js_start.sh`.
50. Start the Netscape or Internet Explorer browser and specify the URL to start iPlanet Market Maker, such as:
`http://localhost/NASApp/<WAR_filename>/imm/imm.jsp`.

NOTE If a Custom installation was selected, and if you selected a WAR filename other than the default, the URL has the selected WAR filename instead of `imm40`
(`http://<hostname:web_server_port_number>/NASApp/<WAR_filename>/imm/imm.jsp`).

Post-Installation

This chapter describes database issues addressed by the Oracle administrator or a process that has Oracle administrator privileges.

The following sections are contained in this chapter:

- Enabling RFX and Auctions
- Database Issues
- Running Installer Using Microsoft Windows X-server Utilities

Enabling RFX and Auctions

Follow these steps to enable only the RFX and Auctions modules in the iPlanet Market Maker software.

1. Stop the Application Server.
2. Backup the
`$IASROOT\ias\APPS\imm40\imm40\WEB-INF\classes\VortexConfiguration.properties` file.
3. Uncomment out (remove the # before the line) the lines for property.

```
#CFG_MODULES_TO_INITIALIZE in

$IASROOT\ias\APPS\imm40\imm40\WEB-INF\classes\VortexConfiguration.properties file which looks like this.
```

```
26[6]=com.iplanet.ecommerce.vortex.auction.AuctionModule
```

```
26[7]=com.iplanet.ecommerce.vortex.rfx.RFXModule
```

and comment out the following lines (in the same file):

```
26[2]=com.iplanet.ecommerce.vortex.catalog.CatalogModule
26[4]=com.iplanet.ecommerce.vortex.oms.OMSModule
26[8]=com.iplanet.ecommerce.vortex.esv.ESVModule
26[9]=com.iplanet.ecommerce.vortex.exchange.ExchangeModule
```

For example: After uncomment and comment actions the entries would look like this (in the `VortexConfiguration.properties` file):

```
...
#26[2]=com.iplanet.ecommerce.vortex.catalog.CatalogModule
#26[4]=com.iplanet.ecommerce.vortex.oms.OMSModule
...
26[6]=com.iplanet.ecommerce.vortex.auction.AuctionModule
26[7]=com.iplanet.ecommerce.vortex.rfx.RFXModule
#26[8]=com.iplanet.ecommerce.vortex.esv.ESVModule
#26[9]=com.iplanet.ecommerce.vortex.exchange.ExchangeModule
...
```

4. Start the Application Server.

Database Issues

Managing interMedia Indexes

Updating Text Indexes in the iPlanet Market Maker Software

NOTE interMedia is the search engine used by the iPlanet Market Maker software.

For the iPlanet Market Maker catalog module, the iPlanet Market Maker software uses interMedia text indexes that are not automatically updated by Oracle. Because of this, it is necessary to manually synchronize the indexes with any changes that have taken place to the actual tables. This synchronization must be performed by the Oracle administrator, or a process that has Oracle administrator privileges.

In general, operating on the catalog indexes requires the following steps, where the value `PARAM` is replaced by an actual value depending upon the operation:

1. Log in to the Oracle instance that is hosting the iPlanet Market Maker database as Catalog schema user.
2. Execute `alter index cat.cat_atr_value_txt1 rebuild online parameters('PARAM');` (Note the single quotes surrounding `PARAM`. These are necessary).
 - o For synchronization of the indexes, `PARAM` takes the value "sync" (omitting the double quote symbols).
 - o For full optimization of the indexes, `PARAM` takes the value "optimize full" (omitting the double quote symbols).
 - o For full optimization, but only allowing the optimizer to run for a certain length of time, `PARAM` take the value "optimize full maxtime N" (omitting the double quote symbols), where N is the amount of time that the optimizer runs, in minutes.

We advise the use of the `ctxsrv` process to perform synchronization. This process (written and supplied by Oracle) provides regular synchronization updates.

To start the `ctxsrv` process, execute the following steps:

1. Log in (as the Oracle user) to the machine on which the iPlanet Market Maker database is hosted.
2. Execute the following command: `'ctxsrv -user ctxsys/ctxsys -personality M -log ctx.log&'`.

To stop the `ctxsrv` process, execute the following steps:

1. Log in (as the Oracle user) to the machine on which the iPlanet Market Maker database is hosted.
2. Using SQLPLUS, log into Oracle as user `ctxsys`, password `ctxsys`, and execute: `begin ctx_admin.shutdown; end;`

In addition, the DBA should perform a full optimization of the indexes on a regular basis, depending upon the amount of change that has occurred to the catalog.

DBA's should run the following command periodically to handle fragmentation of interMedia indexes since running "ctxsrv" contributes to index fragmentation.

```
alter index myindex rebuild online parameters ('optimize fast');  
OR  
alter index myindex rebuild online parameters ('optimize full');
```

For additional information, refer to: Oracle8i interMedia Text Reference.

interMedia Error

Oracle Error Message: ORA-29861:domain index is marked LOADING/FAILED/UNUSABLE.

OR

java.sql.SQLException: ORA-20000: interMedia Text error:
DRG-10599: column is not indexed

Fix

When web pages error with the above message, this is because of Oracle interMedia index error on value column of cat_attr table. interMedia index CAT_ATR_VALUE_TXT1 is in state of loading. DBA's need to drop the index with force option and rebuild when you get this error (Also, check Oracle error messages document):

Issue the following commands to fix:

1. Log into sqlplus as cat user.
2. Issue drop index CAT_ATR_VALUE_TXT1 FORCE;. You need to use force option.
3. Recreate the index create index CAT_ATR_VALUE_TXT1 on CAT_ATTR (VALUE) indextype is ctxsys.context;.

Oracle Known Bug on interMedia

Problem

Oracle cannot drop or create interMedia Index while executing drop or create interMedia index. Gives invalid number.

```
"DROP INDEX cat.cat_atr_value_txt1;"
```

OR

```
"create index CAT_ATTR_VALUE_TXT1on CAT_ATTR (VALUE) indextype is
ctxsys.context;"
```

```
Short bug description: Abstract: DROP INDEX GETS "INVALID NUMBER"
Trying to drop index, gets ORA-1722: invalid number
ERROR at line 1:
ORA-29855: error occurred in the execution of ODCIINDEXCREATE
routine
ORA-20000: interMedia Text error:
ORA-1722: invalid number
ORA-6512: at "CTXSYS.DRUE", line 126
ORA-6512: at "CTXSYS.TEXTINDEXMETHODS", line 54
ORA-6512: at line 1
```

Workaround

It is strongly recommended that you get the patch for interMedia from the

"<*Oracle ftp site*>/server/patchsets/unix/sun.solaris2/ctx/816/8163/
directory.

You need to contact Oracle and get the interMedia patchset that solves invalid number bug (Oracle internal bug #1103865) along with other bugs.

Running Installer Using Microsoft Windows X-server Utilities

It is recommended that you run the iPlanet Market Maker installer in the GUI mode on the Solaris system (either locally or remotely).

If running the iPlanet Market Maker installer using Windows X-server display utilities (such as Exceed) you might experience problems such as incorrectly displayed text and labels or installer freezing while displaying some of the input panels. If these problems occur, try restarting the installer. If problems persist, run the installer in the command line mode by running the `setup -nodisplay` command (as described in this Installation Guide under “Starting the Installation Process”).

Shutting Down, Starting, and Uninstalling

This chapter provides instructions for shutting down, starting and uninstalling the iPlanet Market Maker software.

The following sections are contained in this chapter:

- Shutdown
- Startup
- Uninstallation

Shutdown

Shutting Down the iPlanet Market Maker Software

```
% IAS-ROOT/ias/bin/KIVAes.sh stop
```

Shutting Down the Directory Server

```
% LDAP-ROOT/slapd-instance-name/stop-slapd
```

Shutting Down the iPlanet Application Server

```
% IAS-ROOT/slaped-machine-name/stop-slaped  
% IAS-ROOT/stop-admin
```

Shutting Down the iPlanet Web Server

```
% IWS-ROOT/https-admserv/stop  
% IWS-ROOT/https-machine-name.red.iplanet.com/stop
```

Startup

Starting the iPlanet Web Server

```
% IWS-ROOT/https-admserv/start  
% IWS-ROOT/https-machine-name.red.iplanet.com/start
```

Starting the iPlanet Application Server

```
% IAS-ROOT/slaped-machine-name/start-slaped  
% IAS-ROOT/start-admin
```

Starting the Directory Server

```
% LDAP-ROOT/slaped-instance-name/start-slaped
```

Starting the iPlanet Market Maker Software

```
% IAS-ROOT/ias/bin/KIVAes.sh start
```

Uninstallation

Versions 1.0 and 1.0 SP1

1. Run the `<imm_installation_directory>/bin/js_stop.sh` script to stop the Job Scheduler process.
2. Remove iMM related Directory Server data.
3. Remove iMM related Directory Server schema.

Remove lines containing the following entries from:

`<LDAP_instance_directory>/config/ns-schema.conf` file:

```
iplanet-marketmaker-schema.conf
iplanet-userx-schema.conf
iplanet-ecommerce-schema.conf
```

In most cases these are the last lines in the file.

4. Restart iPlanet Directory Server.
5. Remove iPlanet Market Maker objects from Oracle database. All iPlanet Market Maker users and tablespaces should be dropped. To get list of iPlanet Market Maker users and tablespaces see `$IMM_HOME/db/sql/cr_vortex_db.sql` file.
6. Remove `$IMM_HOME` directory and its contents.
7. Remove iMM content from web server's contents directory.
 - a. Remove the `imm` directory and its content from iPlanet Web Server documents directory (by default `/export/home/iws/docs`).
 - b. Remove the contents of the `<web_server_instance_directory>/ClassCache` directory.
8. Remove iPlanet Market Maker related classpath entries from `<web_server_instance_directory>/config/jvm12.conf` file.

Versions 4.0, 4.0 SP1, and 4.5

NOTE Uninstallation of iPlanet Market Maker 4.0 SP1 Release must be done before reinstalling.

1. Login as a root user.
2. Run the following command:


```
iasdeploy removeapp $iMM_HOME/tmp/imm40.ear
```
3. Go to installation location for Version 4.0sp1: `cd <install-directory>`.
4. Run: `java <uninstall-iPlanet_MarketMaker>`.
This opens uninstaller GUI.
5. Select Next at Welcome page.
6. At *Type of Uninstall* page, accept full default.
7. Select the Next button.
8. On Ready to Uninstall page, select Uninstall Now button.

NOTE If running in command line mode, follow all prompts and press the Enter key after each entry to continue.

9. Run the `<iMM_installation_directory>/bin/js_stop.sh` script to stop the Job Scheduler process.
10. To stop the Exchange router process, run `t<iMM_HOME>/bin/stoprouter`
11. Remove iMM related Directory Server data.
12. Remove iMM related Directory Server schema.
13. Remove lines containing the following entries from:
`<LDAP_instance_directory>/config/ns-schema.conf` file:

```
iplanet-marketmaker-schema.conf  
iplanet-userx-schema.conf  
iplanet-ecommerce-schema.conf
```

In most cases these are the last lines in the file.

14. Restart iPlanet Directory Server.
15. Remove iPlanet Market Maker objects from Oracle database. All iPlanet Market Maker users and tablespaces should be dropped.
16. Remove `$IMM_HOME` directory and its contents.
17. Remove iMM content from web server's contents directory.
18. Remove the `imm` directory and its content from iPlanet Web Server documents directory (by default `/export/home/iws/docs`).

Uninstallation

Troubleshooting

This chapter offers installation troubleshooting tips.

The following sections are contained in this chapter:

- Installation Error
- UNIX Error
- Oracle Errors
- Sizing iMQBroker

Installation Error

Error

`ClassNotFoundException` for `RFxDisplayModule` on the iPlanet Market Maker login page.

Fix

When bringing up the iPlanet Market Maker login page, the following stack trace is displayed instead:

```
Cannot include error file (defaultErr.jsp).
Exception in errorFileInclude:
VortexException Stack-----
Unexpected exception chaining .jsp
-----
java.lang.StringIndexOutOfBoundsException: String index out of range: -1
at java.lang.Throwable.fillInStackTrace(Native Method)
at java.lang.Throwable.fillInStackTrace(Compiled Code)
at java.lang.Throwable.(Compiled Code)
```

```
at java.lang.Exception.(Compiled Code)
at com.iplanet.ecommerce.vortex.arch.VortexException.(VortexException.java:52)
at
com.iplanet.ecommerce.vortex.arch.VortexException.(VortexException.java:125)
at
com.iplanet.ecommerce.vortex.display.util.DispatcherHelper.dispatch(Dispatche
Helper.java:118)
at
com.iplanet.ecommerce.vortex.display.BaseServlet.errorFileInclude(BaseServlet
.java:432)
at
com.iplanet.ecommerce.vortex.display.BaseServlet.errorForward(BaseServlet.java
:166)
at
com.iplanet.ecommerce.vortex.display.IMMWrapperPageContext.handlePageException
(IMMWrapperPageContext.java:151)
at jsp.APPS.imm40.IMM.imm._jspService(Compiled Code)
at
com.iplanet.ecommerce.vortex.display.PlatformServlet.service(PlatformServlet.
ava:68)
at
com.iplanet.ecommerce.vortex.display.PortalServlet.service(PortalServlet.java
197)
at com.netscape.server.servlet.servletrunner.ServletInfo.service(Unknown
Source)
at com.netscape.server.servlet.servletrunner.ServletRunner.callJSP(Unknown
Source)
at
com.netscape.server.servlet.platformhttp.PlatformHttpServletResponse.callJspCo
mpiler(Unknown Source)
at
com.netscape.server.servlet.platformhttp.PlatformHttpServletResponse.callUri(U
nknown Source)
at
com.netscape.server.servlet.platformhttp.PlatformHttpServletResponse.callUriRe
strictOutput(Unknown Source)
at
com.netscape.server.servlet.platformhttp.PlatformRequestDispatcher.forward(Unk
nown Source)
at com.netscape.server.servlet.jsp.JSPRunner.service(Unknown Source)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:865)
at com.netscape.server.servlet.servletrunner.ServletInfo.service(Unknown
Source)
at com.netscape.server.servlet.servletrunner.ServletRunner.execute(Unknown
Source)
at com.kivasoft.applogic.AppLogic.execute(Unknown Source)
at com.kivasoft.applogic.AppLogic.execute(Compiled Code)
at com.kivasoft.thread.ThreadBasic.run(Native Method)
at com.kivasoft.thread.ThreadBasic.run(Native Method)
at com.kivasoft.thread.ThreadBasic.run(Native Method)
at com.kivasoft.thread.ThreadBasic.run(Native Method)
```

```

at com.kivasoft.thread.ThreadBasic.run(Compiled Code)
at java.lang.Thread.run(Compiled Code)

and further:

Original exception:
VortexException Stack-----
display profile contained bad data: {0}
-----
display profile contained bad data: {0}
-----
Error decoding xml in display profile: {0}
-----
display profile contained bad data: {0}
-----
java.lang.ClassNotFoundException:
com.iplanet.ecommerce.vortex.rfx.display.RFxDisplayModule
-----
java.lang.ClassNotFoundException:
com.iplanet.ecommerce.vortex.rfx.display.RFxDisplayModule
-----
display profile contained bad data: {0}

```

The iPlanet Application Server is sensitive to the `CLASSPATH` environmental variable of the shell from which it is started. Basically, `CLASSPATH` should not be set in the shell from which you start iAS.

To correct the problem:

1. Stop iAS.
2. Either clear `CLASSPATH` in your current shell, or bring a new shell where `CLASSPATH` is not set.
3. Start iAS from the shell where `CLASSPATH` is not set.

UNIX Error

Error

Word too long when sourcing the `mm.cshrc` file in the C-shell

Fix

You need to create a symbolic link from your root directory to the iPlanet Market Maker installation directory. The command to create this link is `ln -s <install_dir> <link_name>`. After you create this link, replace all instances of the iPlanet Market Maker installation directory name in your `mm.cshrc` file with the directory name defined by the symbolic link.

Oracle Errors

Error

Error during creation of interMedia index.

```
create index CAT_ATR_VALUE_TXT1 on CAT_ATTR
*
ERROR at line 1:
ORA-29855: error occurred in the execution of ODCIINDEXCREATE routine
ORA-20000: interMedia Text error:
DRG-50704: Net8 listener is not running or cannot start external procedures
ORA-28575: unable to open RPC connection to external procedure agent
ORA-06512: at "CTXSYS.DRUE", line 126
ORA-06512: at "CTXSYS.TEXTINDEXMETHODS", line 54
ORA-06512: at line 1
```

Possible Cause

Oracle Net Service Name is not configured correctly. Make sure that `tnsnames.ora` is configured properly.

Fix

Make sure that `listener.ora` and `tnsnames.ora` files are configured properly for use with interMedia. There must be an SID entry of "PLSExtProc" in `tnsnames.ora` and its corresponding entry in `listener.ora`. Reconfiguring Net8 using "`ORACLE_HOME/bin/netasst`" and "`ORACLE_HOME/bin/netca`" may solve the Net 8 configuration problem. Refer to Oracle Net8 Administrator's Guide.

These errors indicate that there is something wrong with external procedures.

Verification Method 1

Installation of Context objects did not succeed.

Check:

1. Whether user CTXSYS exists in database:

```
SQL>select username from dba_users where username = 'CTXSYS';
```

which should return:

```
CTXSYS
```

2. If yes, check whether user CTXSYS is the owner of the required libraries:

```
SQL>select LIBRARY_NAME, FILE_SPEC, STATUS from user_libraries;
```

which should return:

DR\$LIB		VALID
DR\$LIBX	<\${ORACLE_HOME}/ctx/lib/libctxx8.s0	VALID

At least one of the two queries above should show something else other than expected. If yes, you need to reinstall Context objects.

Explanation:

Installation of Context Objects failed. You need to reinstall them.

Verification Method 2

Make sure you have configured your listener.ora and tnsnames.ora correctly as shown below. You can ping the extproc alias.

LISTENER ORA:

```
LISTENER =
  (DESCRIPTION_LIST =
    (DESCRIPTION =
      (ADDRESS_LIST =
        (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC))
      )
      (ADDRESS_LIST =
        (ADDRESS = (PROTOCOL = TCP)(HOST = vortex-pls3)(PORT = 1521))
      )
    )
    (DESCRIPTION =
      (PROTOCOL_STACK =
        (PRESENTATION = GIOP)
        (SESSION = RAW)
      )
      (ADDRESS = (PROTOCOL = TCP)(HOST = vortex-pls3)(PORT = 2481))
    )
  )
```

```

SID_LIST_LISTENER =
  (SID_LIST =
    (SID_DESC =
      (SID_NAME = PLSExtProc)
      (ORACLE_HOME = /home/app/oracle/product/8.1.7)
      (PROGRAM = extproc)
    )
    (SID_DESC =
      (GLOBAL_DBNAME = VORTEX.red.iplanet.com)
      (ORACLE_HOME = /home/app/oracle/product/8.1.7)
      (SID_NAME = VORTEX)
    )
  )
)

```

SQLNET.ORA

```

NAMES DIRECTORY_PATH= (TNSNAMES, ONAMES, HOSTNAME)
#NAMES.DEFAULT_DOMAIN = red.iplanet.com

```

Note: Comment out the parameter NAMES.DEFAULT_DOMAIN

TNSNAMES.ORA

```

EXTPROC_CONNECTION_DATA =
  (DESCRIPTION =
    -(ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC))
    )
    (CONNECT_DATA =
      (SID = PLSExtProc)
      (PRESENTATION = RO)
    )
  )
)

VORTEX =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP)(HOST = vortex-pls3)(PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = VORTEX.red.iplanet.com)
    )
  )
)

```

If you have configured as shown above and still receive an error, the problem is that you have not set up your environment variables correctly. As documented in the interMedia release notes:

Ensure that `$ORACLE_HOME/ctx/lib` is included in the appropriate environment variables to allow the system to locate the Inso shared libraries (DLLs).

For example, Solaris:

```
add $ORACLE_HOME/ctx/lib to your PATH environment variable
add $ORACLE_HOME/ctx/lib to your LD_LIBRARY_PATH environment
variable
```

NOTE This path **MUST** be added to both variables.

Sizing iMQBroker

iMQ should be started with at least 128MB. If not, it uses the default of 16MB, which is too low.

If there is not enough memory for iMQBroker, you might see the following error in the `imm.log` file:

Error

```
java.lang.OutOfMemoryError in imm.log
```

Possible Cause

iMM router (used in the Exchange module) could be causing the error.

Fix

If an out of memory error results from the router process, the `imm/bin/ExchangeRouter.bash` should be modified to increase the amount of maximum memory (the default value is `-Xmx128M`). The router should then be stopped and restarted.

Error

```
java.lang.OutOfMemoryError in iMQ logs directory
```

Possible Cause

This error can come from imqbroker because maximum memory setting on imqbroker is too low.

Possible Fix

Increase the maximum memory used by imqbroker as follows:

To increase maximum memory used by imqbroker, use the following settings:

```
jmgbroker - vmargs -Xmx128Mb
```

To set the minimum and the maximum settings simultaneously, use the following settings:

```
jmgbroker -vmargs -Xmx128Mb - Xms64MB
```

Tips for Installing Oracle Software on Solaris

This chapter offers tips for installing the Oracle Software on the Solaris operating system.

The following sections are contained in this chapter:

- Oracle Pre-Installation Instructions
- Configuring the UNIX Kernel for Oracle 8i/9i
- Creating UNIX Groups for the Oracle Universal Installer
- Creating a UNIX Account to Own the Oracle Software
- Setup Tasks for the Oracle Universal Installer
- Using the Oracle Universal Installer
- Root User Setup
- Oracle User Setup

If you already have Oracle 8i installed without the "JServer and interMedia" option, then refer to the installation of interMedia option documents.

For more information, see the Oracle 8i Installation Guide, Release 2 (8.1.7) for SunSPARC Solaris.

Oracle Pre-Installation Instructions

1. For Oracle pre-installation steps, consult the following web site:

<http://otn.oracle.com/docs/content.html>

2. Install the missing Solaris packages from:

- o SUNWarc
- o SUNWbtool
- o SUNWhea
- o SUNWlibm
- o SUNWlibms
- o SUNWspot
- o SUNWtoo

Configuring the UNIX Kernel for Oracle 8i/9i

1. To configure the UNIX kernel for Oracle 8i or 9i, configure the UNIX kernel IPC parameters to accommodate the SGA structure of Oracle. To do this, add the following parameters to the `/etc/system` file to configure the UNIX kernel with the minimum recommended values:

```
set shmsys:shminfo_shmmax=4294967295
set shmsys:shminfo_shmmin=1
set shmsys:shminfo_shmmni=100
set shmsys:shminfo_shmseg=10
set semsys:seminfo_semmni=100
set semsys:seminfo_semmsl=100
set semsys:seminfo_semms=200
set semsys:seminfo_semopm=100
set semsys:seminfo_sevmx=32767
```

2. Reboot the system for these parameters to take effect.

NOTE If you are running other applications on the same Solaris server, you should set these values accordingly.

Creating UNIX Groups for the Oracle Universal Installer

Use the `groupadd` utility to create a group named `dba` or some other name of your choice.

If you choose a name other than `dba`, you will be prompted to enter it later during the install. The OUI assigns the database administrator and operator rights to this group by default.

Use the `groupadd` utility to create a group named `oinstall`. This group will own the Oracle Universal Installer (OUI) `oinventory`. The user account that runs the installation must be a member of this group.

Creating a UNIX Account to Own the Oracle Software

The Oracle account is the UNIX account that owns the Oracle 8i software after installation. You must run the OUI from this account.

To create a UNIX account to own the Oracle software:

1. Use the `useradd` utility to create an Oracle account with the following properties:

Login name	<code>oracle</code>
Default GID	Corresponding to the <code>oinstall</code> group
Home Directory	Choose a home directory consistent with the other home directories

2. Confirm your addition from the `/etc/passwd` file. The new login remains locked until the `passwd` command is executed.
3. Choose a password for the `oracle` user.

NOTE Do not use root account as your Oracle account.

Setup Tasks for the Oracle Universal Installer

This procedure describes the pre-configuration tasks required prior to running the Oracle Universal Installer (OUI). The OUI is the proprietary Oracle application installer.

1. Set permission for file creation.
2. Open the `.profile` or `.cshrc` file for the Oracle account and type in `umask 022`. This sets file creation permissions for the Oracle account. This ensures `group` and `other` have `read` and `execute` permissions on the files that the OUI creates, but not write permission.

NOTE You can check that this setting of permission was done properly by typing in `umask` at the UNIX prompt. It should return the value `022`. If it doesn't return this exact value, then try again to set `umask` to `022` in the `.cshrc` file.

3. Set the following environment variables in your `.profile` or `.cshrc` file:

```
ORACLE_BASE=/software_mount_point/app/oracle
(that is, the location where you want Oracle installed such as
/home/app/oracle)
ORACLE_HOME=$ORACLE_BASE/product/8.1.7
(or, for Oracle 9i: ORACLE_HOME=$ORACLE_BASE/product/9.0.1)
```

4. Update the environment for the current shell session by entering the following:

```
#. ./profile (for Bourne/Korn shell ), or
#source .cshrc (for C Shell)
```

Using the Oracle Universal Installer

1. Log in as the Oracle user.
2. Start the OUI by entering `./runInstaller` at the UNIX prompt after going to the CD-ROM mount-point directory (usually `is/cdrom`).
3. Enter the desired value of the directory location in the destination field of File Locations dialog box, if it does not show up by default. It is recommended that you follow Optimal Flexible Architecture (OFA) - Compliant installation. The OUI will be guiding you through the process.
4. Enter the fully qualified name of the workstation or server with the desired database name as the prefix, when prompted for a Global Database Name. The OUI automatically assigns the Data Service Identifier (SID) as the name of the database you specified as the prefix in the Global Database name. For example, `<sid name>.<hostname>.<dns domain name>`. Note the SID for future reference. For example, if you enter `vortex.machinename.domain.com` as the global database name, then the SID is automatically assigned as `vortex`.
5. If you want to proceed with a typical install, skip to step #6 below.

If you decide to do a custom install, choose the character set and national character set as being UTF8 and make it compatible with Oracle 8.1.0. For more information, see the "Oracle User Setup" section.

- o Select Oracle JServer and "Oracle interMedia" option, if not selected by default.
- o Select "8.1.0" (or higher) for "Compatible Parameter", and make sure that you select "UTF8" for both "Character Set" and "National Character Set" options.
- o The iPlanet Market Maker application requires database to be created with a minimum `db_block_size` of 8K.

6. If you decide to do a typical install, Oracle creates a sample database by default. This is created with the character set as US7ASCII. Use the Oracle Database Assistant (`$ORACLE_HOME/bin/dbassist`) to drop the default database. Recreate it with the character set and the national character set as UTF8, and compatible with Oracle 8.1.0 or higher. To do this, perform the following steps at the end of the typical installs:

- o Start the Database Configuration Assistant from:

(For Oracle 8i:)

```
$ORACLE_HOME/bin/dbassist
```

(For Oracle 9i:)

```
$ORACLE_HOME/bin/dbca
```

- o Choose Delete Database from the Assistant and delete the default database. The Assistant will request confirmation. Click OK to confirm your deletion of the database.
- o Launch the Database Configuration Assistant again and choose Create Database now.
- o Select Custom for Database Type.
- o Select Oracle JServer and "Oracle interMedia" option, if not selected by default.
- o Select "8.1.0" (or higher) for "Compatible Parameter", and make sure that you select "UTF8" for both "Character Set" and "National Character Set" options.
- o The iPlanet Market Maker application requires database to be created with a minimum `db_block_size` of 8K.

The Oracle Universal Installer (OUI) installs the `root.sh` script in the `ORACLE_HOME` directory and prompts you to run the `root.sh` script. Log in as the root user and run the script:

```
%cd $ORACLE_HOME
```

```
%./root.sh
```

This script sets the necessary file permissions for Oracle products and allows you to do other root-related configurations.

- After the installation is complete, edit `init<SID>.ora` file in `$ORACLE_BASE/admin/$ORACLE_SID/pfile` and uncomment rollback segment.
- Finally, shut down and start up the database.

Root User Setup

Set the following environment variables in the `.profile` or `.cshrc` file of the Oracle account.

```
LD_LIBRARY_PATH=$ORACLE_HOME/lib
PATH=${PATH}:$ORACLE_HOME/bin
ORACLE_SID=(SID specific in the OUI)
CLASSPATH=$ORACLE_HOME/jlib:$ORACLE_HOME/product/jlib
```

To set a common environment for Oracle users, run the `oraenv` script if you are using Bourne or Korn shell or the `coraenv` script if you are using the C shell by including the following in your `.profile` or `.cshrc` file:

For the Bourne or Korn Shell:

```
ORAENV_ASK=NO
./usr/local/bin/oraenv
For the C Shell:
set ORAENV_ASK=NO
source $ORACLE_HOME/bin/coraenv
unset ORAENV_ASK
```

Oracle User Setup

In case of database creation using scripts, make sure that the database creation is done using "UTF8" as character set and national character set. Also, make sure that the `initSID.ora` parameter "compatible" is set (for Oracle 8i) to "8.1.0" or, for Oracle 9i, "9.0.0".

- **Make sure that you can connect to the database using net service name with `sqlplus system/password@net_service.name` before you start the installation. The installation process uses net service name to connect to the database.**
- **Make sure that `listener.ora` and the `tnsnames.ora` have SID entry of "PLSExtProc" for interMedia option.**
- **To note the net service name to use, view the `$ORACLE_HOME/network/admin/tnsnames.ora` file.**

Index

A

- Admin name 75
- Admin Port number 75
- Application Server 42
- Application Server Information 75
- Application Server Root Installation Directory 73
- Auction Module objects 94

B

- Base DN 71
- BuyerX Cohabitation 52, 60
- BuyerX URL 61

C

- Catalog Module objects 89
- command line mode 45
- Community Module objects 88
- connect to Directory Server database 70
- Connection Configuration 70
- Create LDAP Schema 79
- Create Oracle Schema 81

- Custom 93, 94, 95, 97, 98
- Custom Installation 48, 85, 86, 87, 89, 90, 91
- customize Oracle schema 49

D

- decrypt property file entries 57
- default of vortex 77
- dependency order 41
- deploy iPlanet Market Maker components 75
- Directory Server Database 41
- directory server schema 99

E

- EAR/WAR filenames 55
- encrypt property file entries 57
- Encryption Password 57
- ESV Module objects 92
- Exchange 97
- Exchange Module 63
- Exchange Module objects 97
- existing directory warning 50
- Exit button 45

F

Functional Component Installation Sequence 41
Functional Components 53

G

graphical mode 45

H

Help button 45
Hostname 76

I

iDS Installation Directory 72
Import Display Profiles 98
Import sample data 80
iMQ Home Directory 65
iMQ Server Information 63
iMQ Var Home Directory 66
install customization workspace 52
install sample projects 52
Installation Files 43
installation pages 45
Installation Process 45
Installation Summary 102
installation summary log 102
Installation Summary page 102
Installing... 101
iPlanet
 customer support 13
iPlanet Application Server 38
iPlanet Application Server Information 75
iPlanet Application Server Root Installation
 Directory 73
iPlanet Directory Server 41

iPlanet Messaging Queue server 63
iPlanet Web Server 38
iPlanet Web Server User Configuration 69

J

JDBC connection to Oracle database 76
JDK directory 67
Job scheduler 103
Job Scheduler Port Number 59

L

LDAP 41
LDAP Connection Configuration 70
LDAP Host Name 70
LDAP Password 70
LDAP Port Number 70
LDAP Schema 79
LDAP Username 70

M

messages 58
Messaging Queue 41
Module User's Password 84
multiple machines 41

N

Network Service Name 83

O

- OMS Module objects 93
- Oracle Admin 83
- Oracle Auction Objects Configuration 94
- Oracle Catalog Objects Configuration 89
- Oracle client 41
- Oracle Common Objects Configuration 86
- Oracle Community Objects Configuration 87
- Oracle Connection Configuration 76
- Oracle database 99
- Oracle Database component 41
- Oracle database objects 86
- Oracle ESV Objects Configuration 91
- Oracle Exchange Objects Configuration 97
- Oracle Home Directory pathname 83
- Oracle Installation Configuration 83
- Oracle Objects Configuration 84
- Oracle OMS Objects Configuration 93
- Oracle Pricing Objects Configuration 90
- Oracle RFX Objects Configuration 95
- Oracle Schema 81
- Oracle schema installation 77
- Oracle Username 77

P

- Page Progression 37
- passwords 45
- Patch ID and level 21
- patches 20
- Port number 63, 77
- Pricing Module objects 90
- procedures for Oracle user 83
- Progress Bar 101

R

- Ready to Install 100

- RFX Module objects 96
- Root Installation Directory 73

S

- Sample Projects option 52
- security 45
- Select Components 51
- Select Functional Components 53
- Select Install Directory 50
- Select Type of Install 48
- separate installation 41
- Separate Servers 38
- SID 76
- SMTP Server Configuration 58
- software installation flowchart 18
- Software License Agreement 47
- Software Requirements for iPlanet Market Maker 4.5
19

T

- Typical 98
- Typical Installation 48

U

- UNIX Group ID 69
- UNIX User ID 69
- User Configuration 54
- User Display Profiles Import 98
- user password 77

V

Var Home Directory 66

W

Web component 41

Web Connector plug-in 38

Web Server Content Directory 68

Web Server User Configuration 69

webless instance 38

website

 for iPlanet customer support 13

Welcome page 46